

FIG. 1

FIRST ILLUSTRATIVE EMBODIMENT

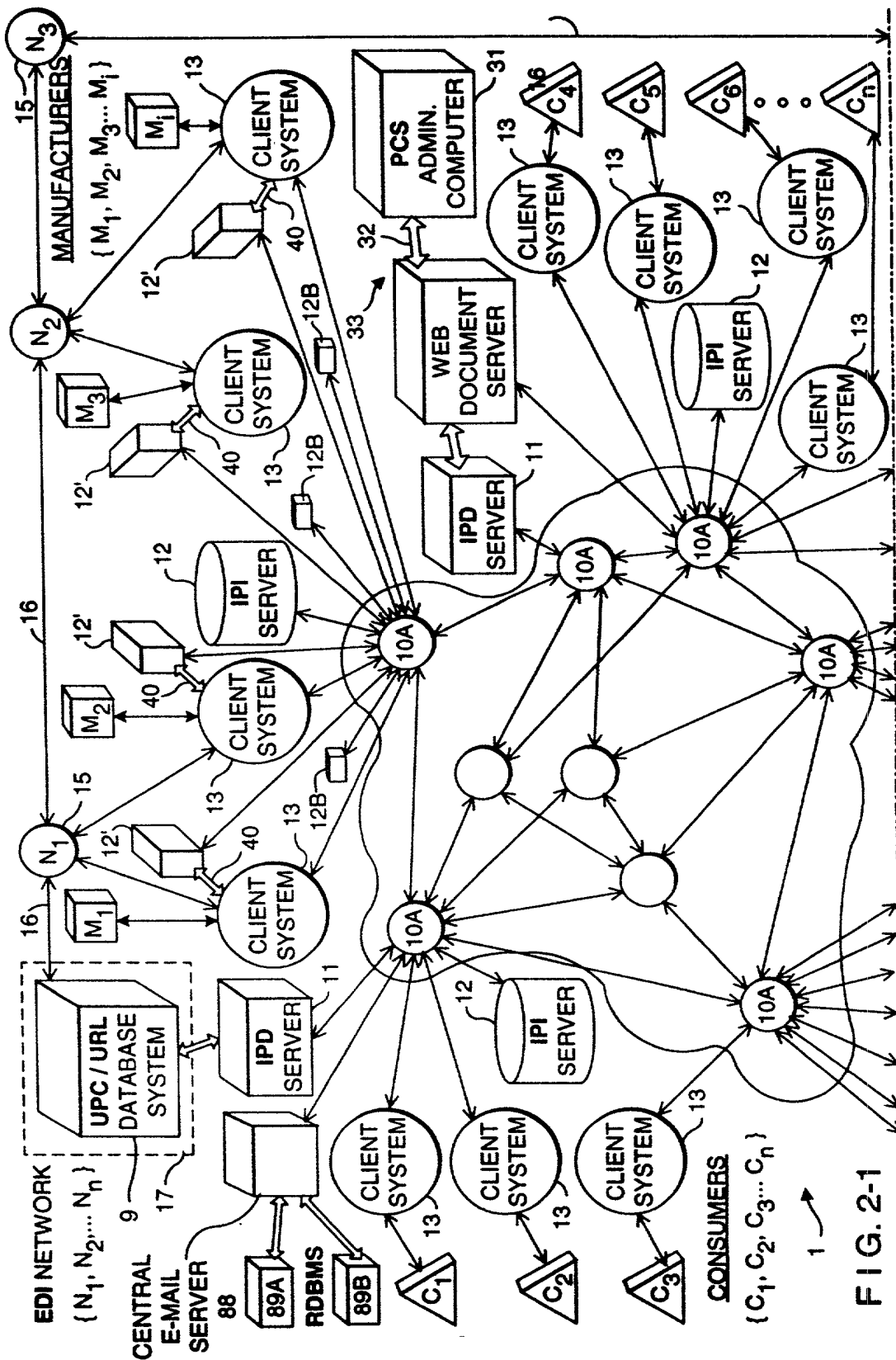


FIG. 2-1

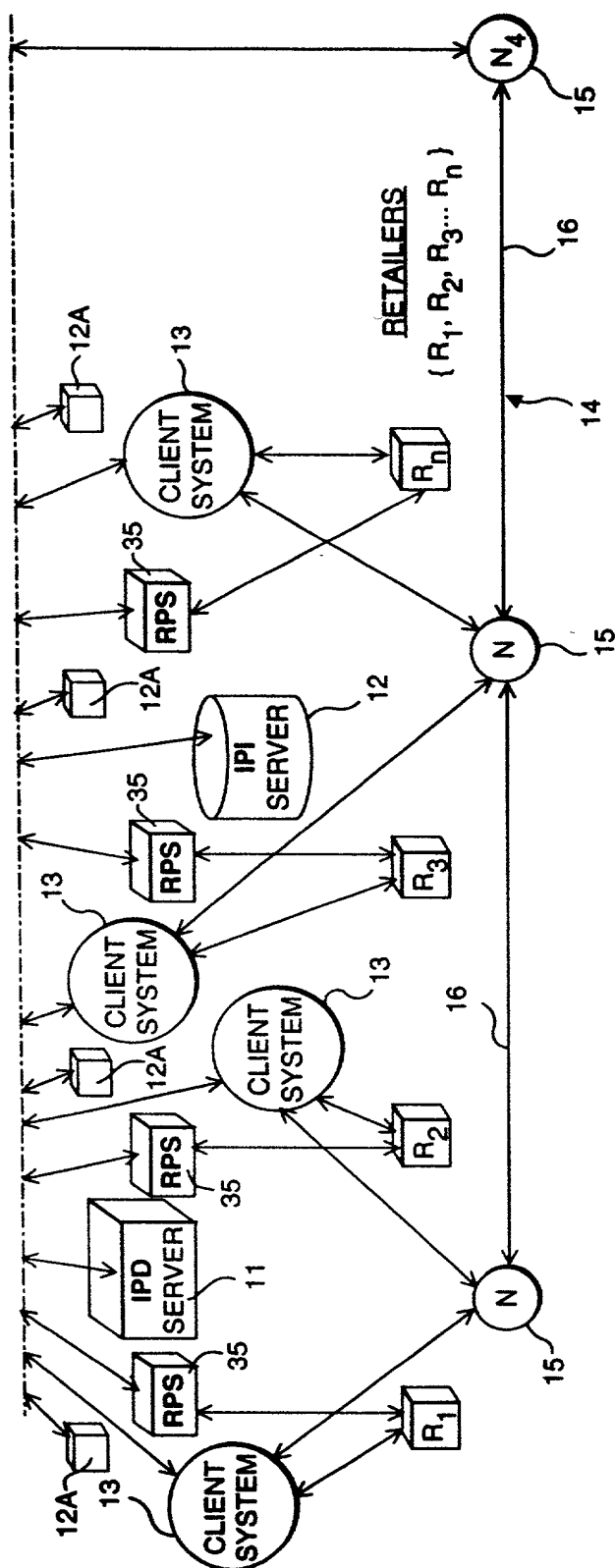


FIG. 2-2

4/173

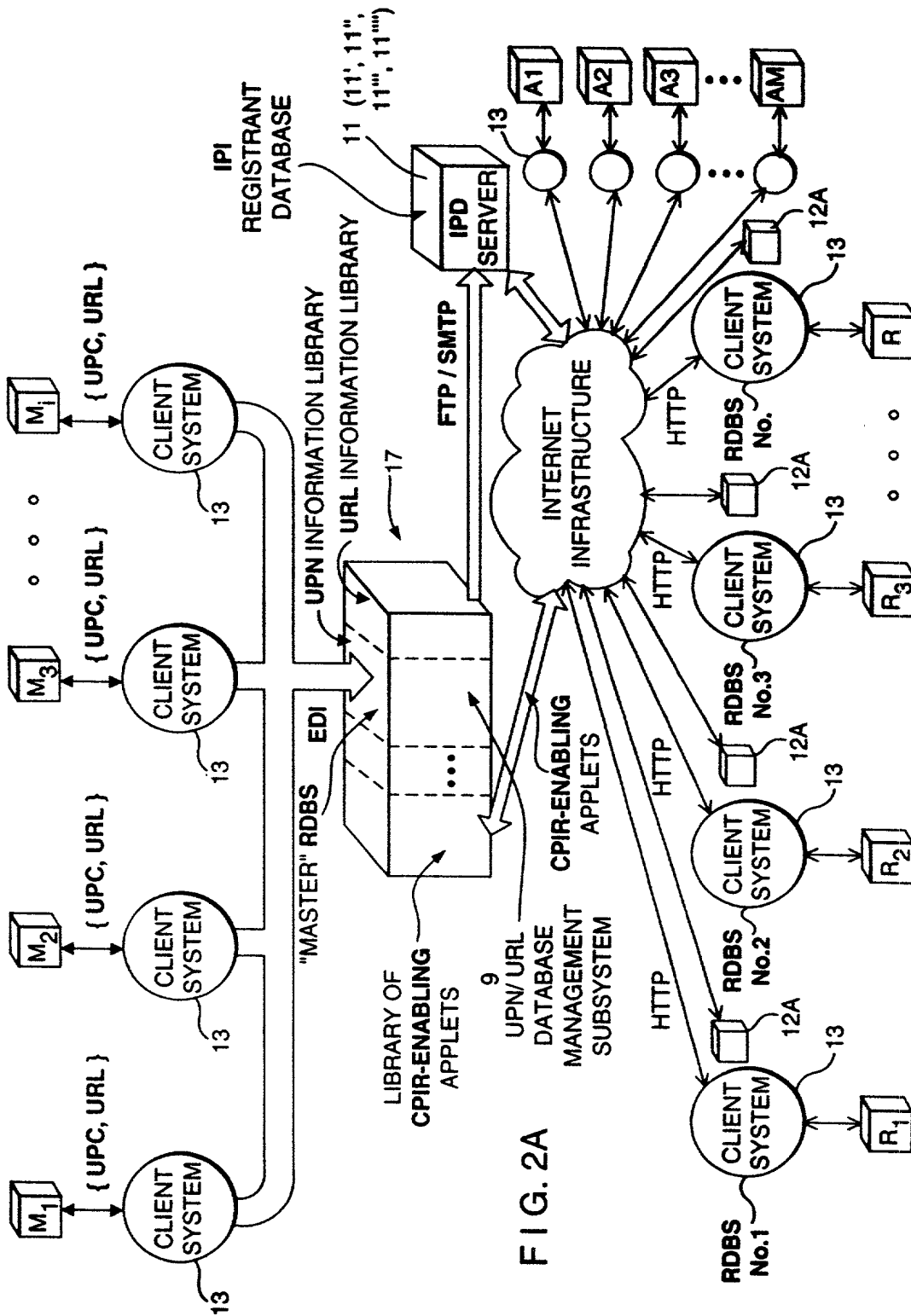
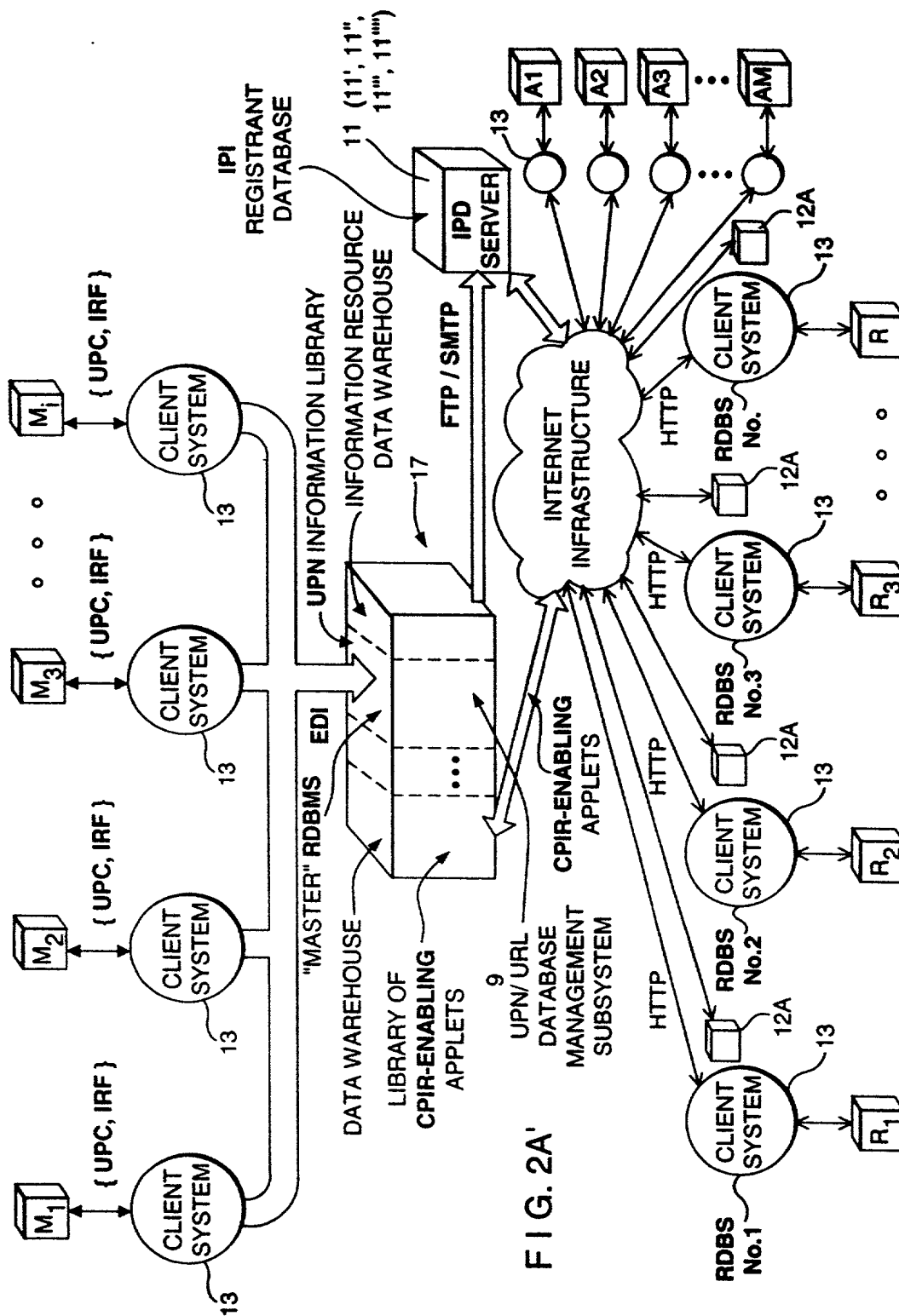


FIG. 2A

5/173



MECHANISM FOR ACCESSING CONSUMER PRODUCT INFORMATION FROM RDBMS SERVER USING SERVER-SIDE APPLETS EMBEDDED IN HTML DOCUMENTS

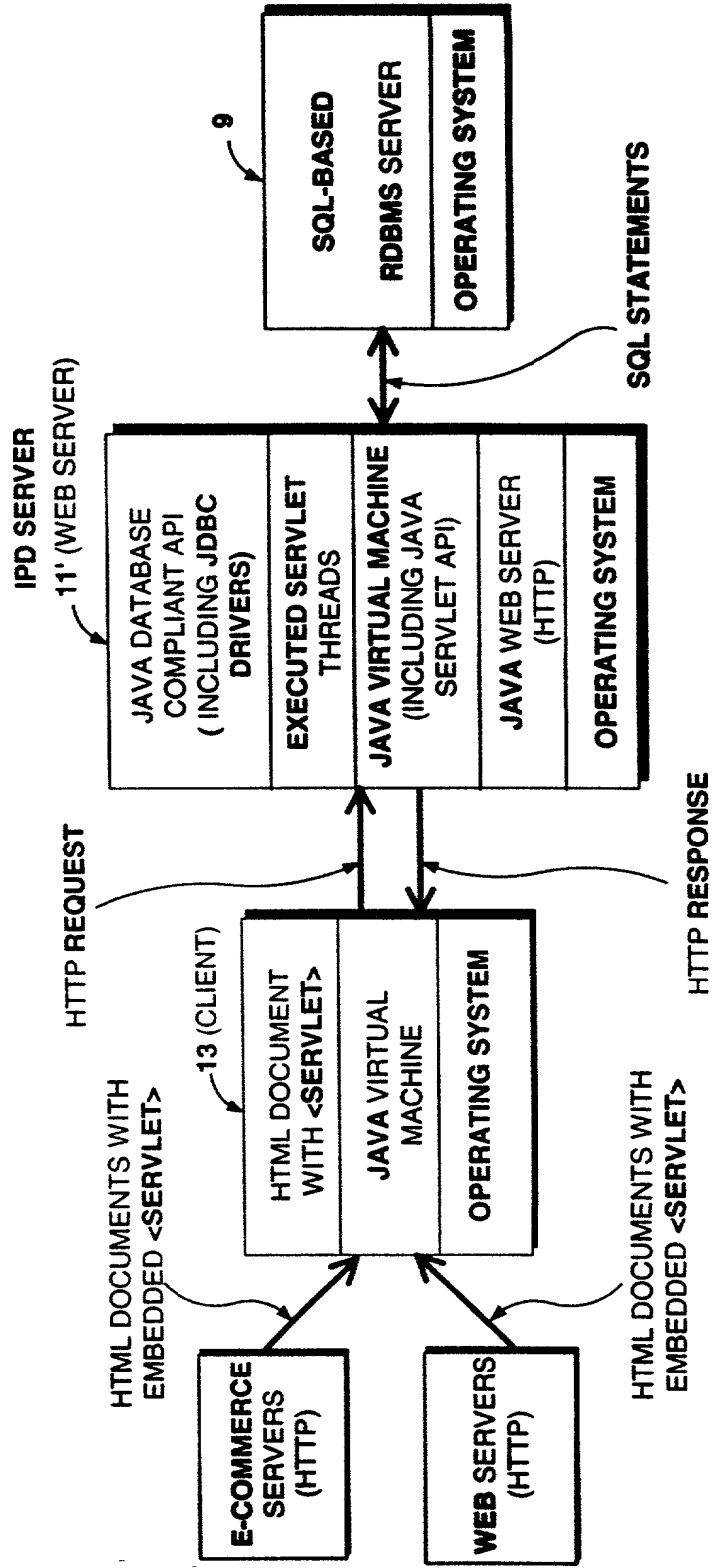


FIG. 2B1

7/173

MECHANISM FOR ACCESSING CONSUMER PRODUCT INFORMATION FROM RDBMS
SERVER USING CLIENT-SIDE APPLETS EMBEDDED IN HTML DOCUMENTS AND CGIs

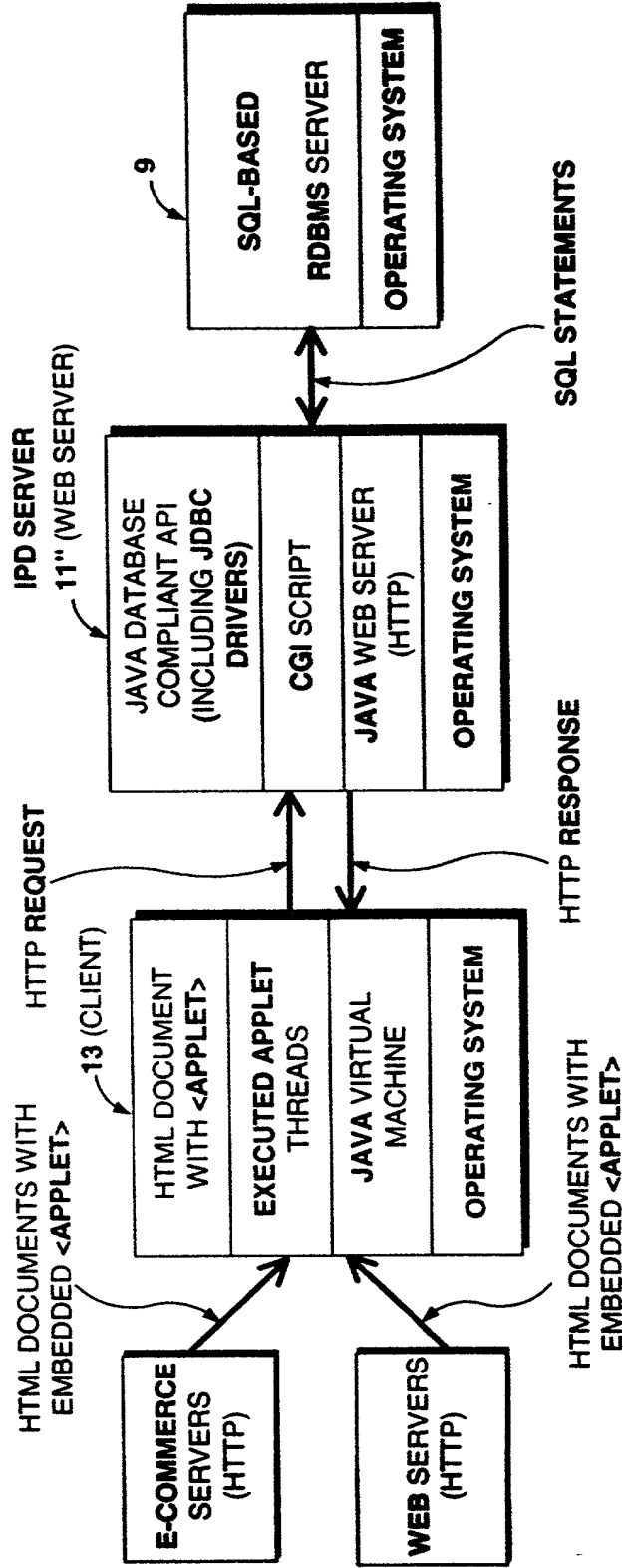


FIG. 2B2

8/173

MECHANISM FOR ACCESSING CONSUMER PRODUCT INFORMATION FROM RDBMS SERVER USING
CLIENT-SIDE APPLETS EMBEDDED IN HTML DOCUMENTS AND SOCKET CONNECTIONS

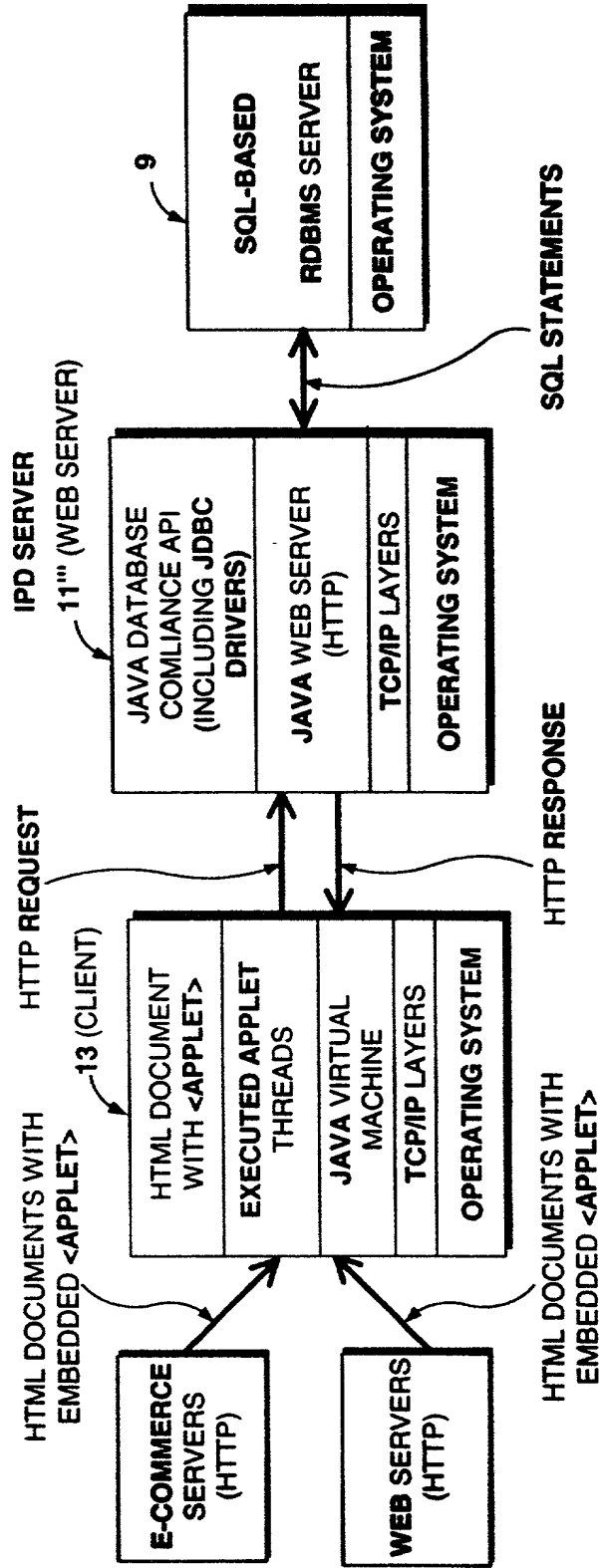


FIG. 2B3

9/173

MECHANISM FOR ACCESSING CONSUMER PRODUCT INFORMATION FROM
RDBMS SERVER USING CLIENT-SIDE APPLETS EMBEDDED IN HTML DOCUMENTS
AND REMOTE METHOD OF INVOCATION (RMI) ON JAVA WEB SERVER

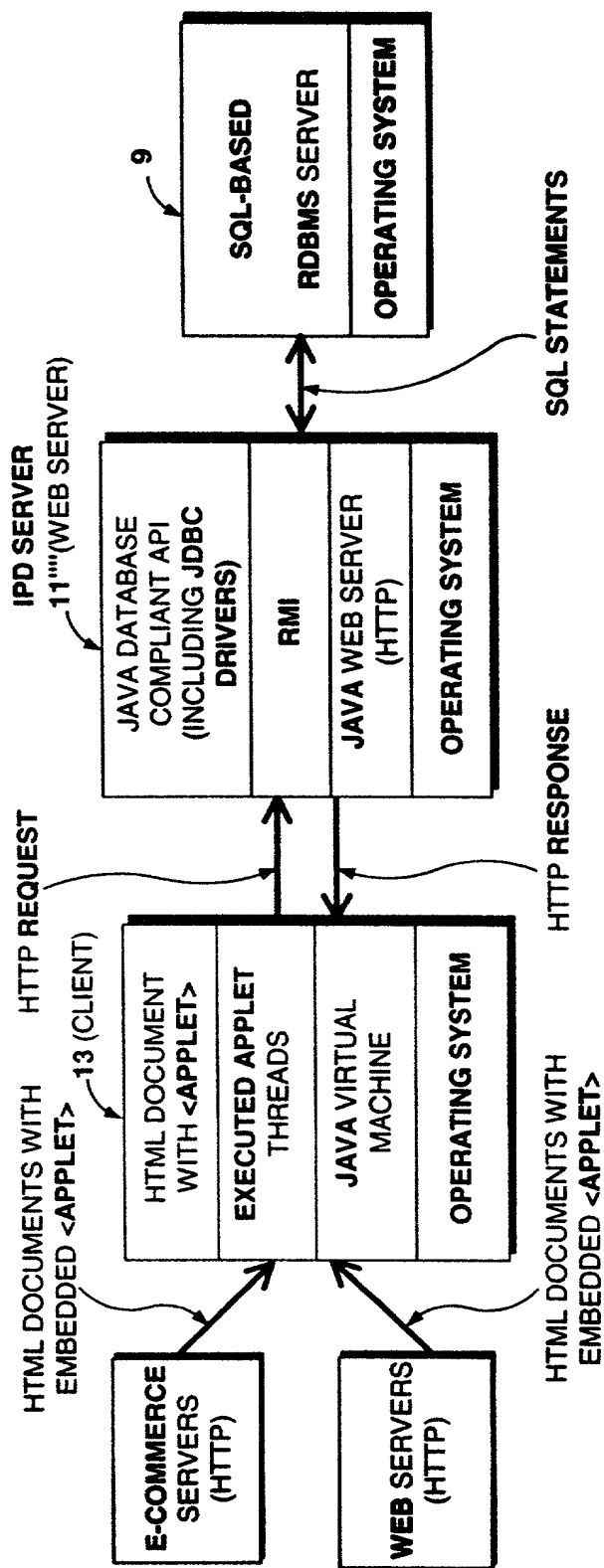


FIG. 2B4

DISTRIBUTED METHOD AND SYSTEM OF UPC/URL MANAGEMENT OVER A LAN OR WAN

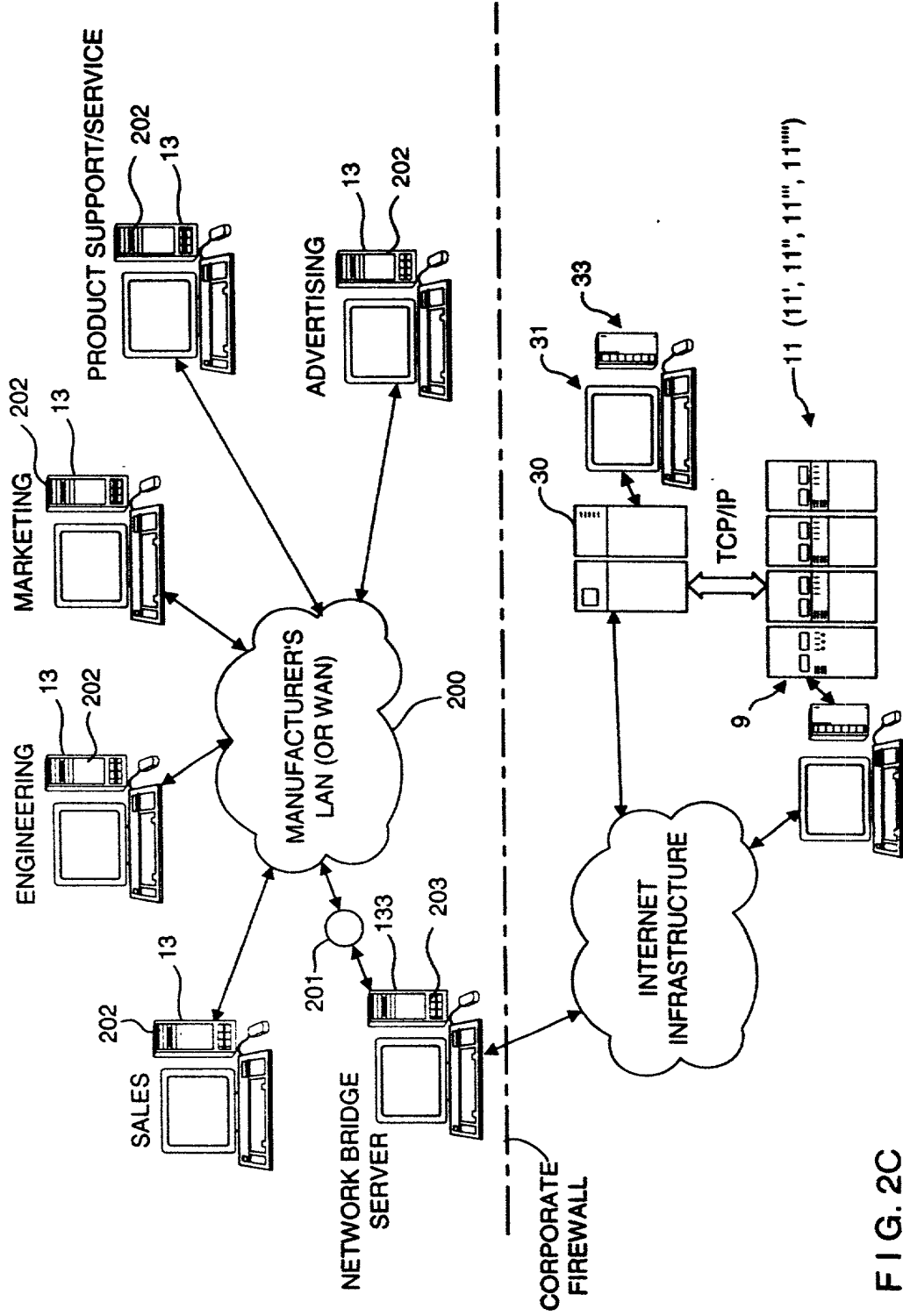


FIG. 2C

W/173

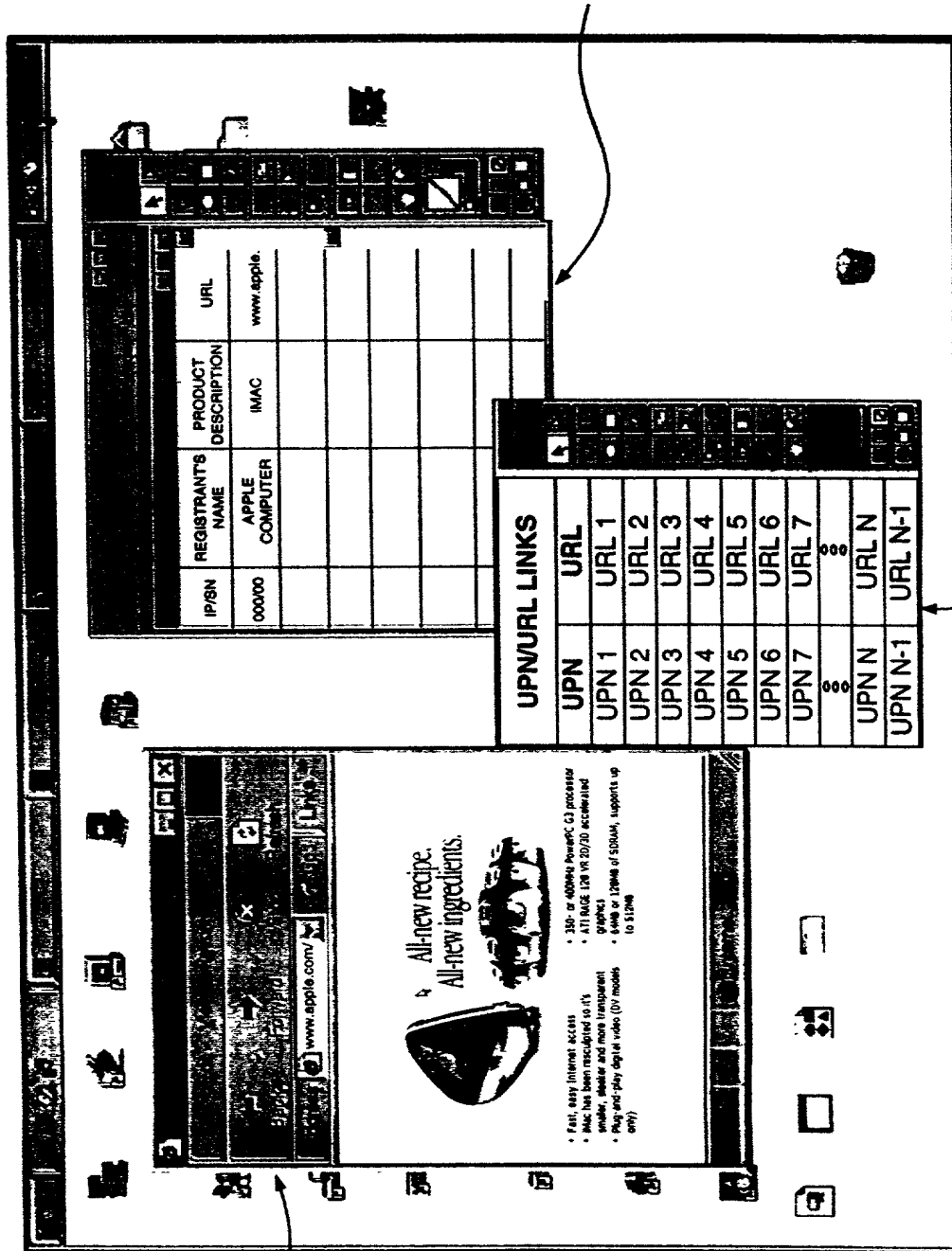


FIG. 2C1

12/173

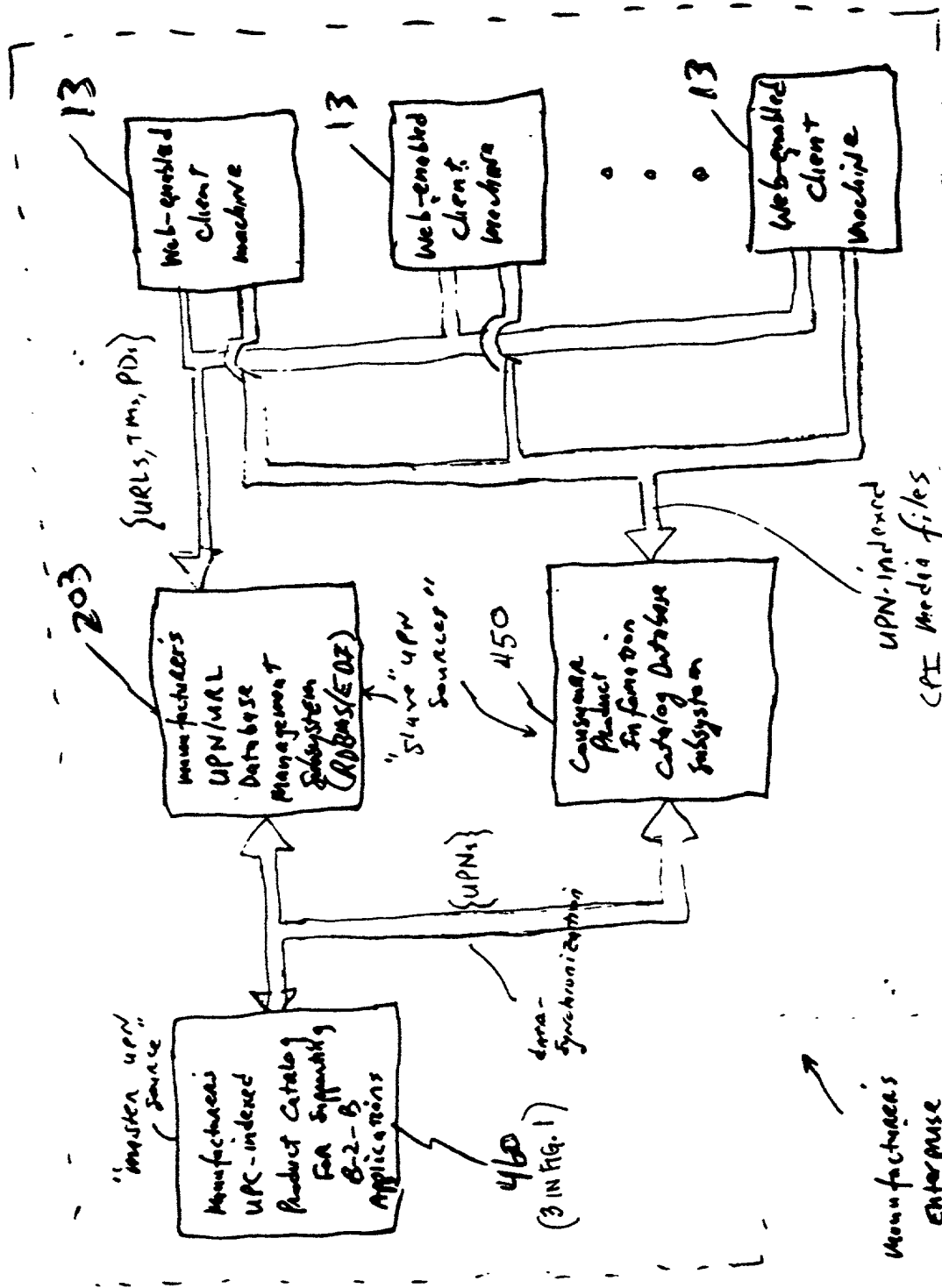


FIG. 2C2

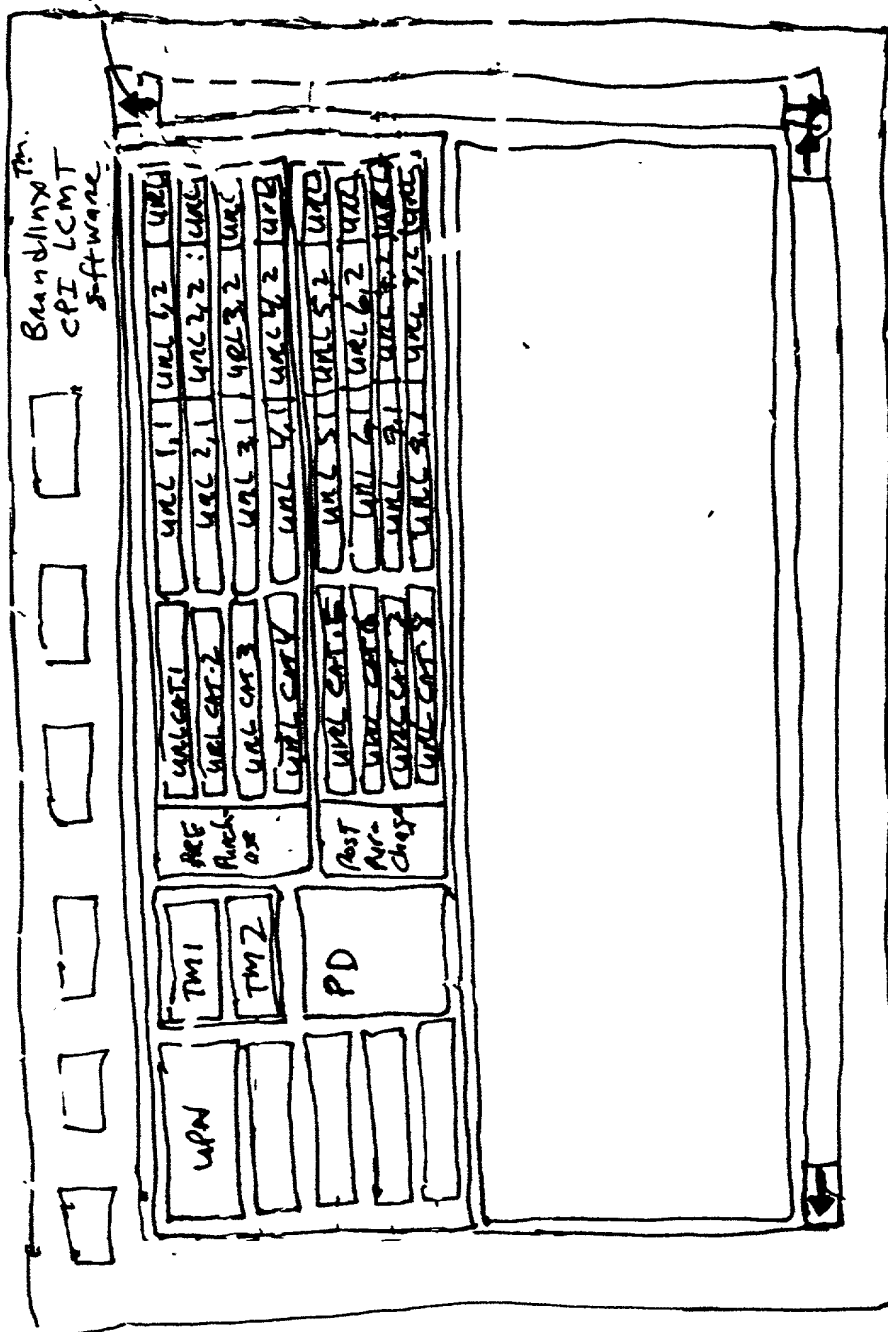


FIG. 203

DISTRIBUTED METHOD AND SYSTEM OF UPC/URL MANAGEMENT OVER A LAN OR WAN

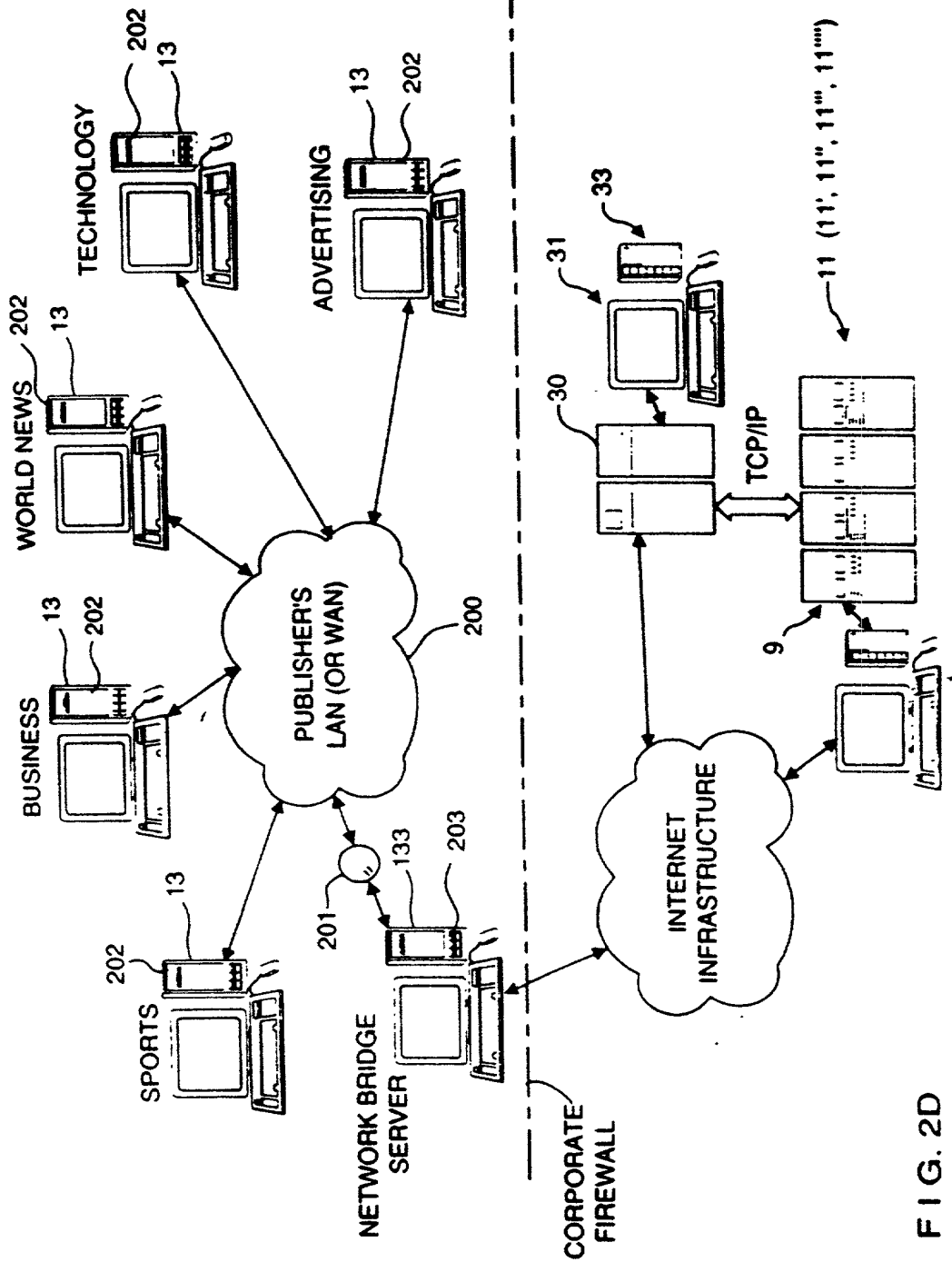


FIG. 2D

14/173

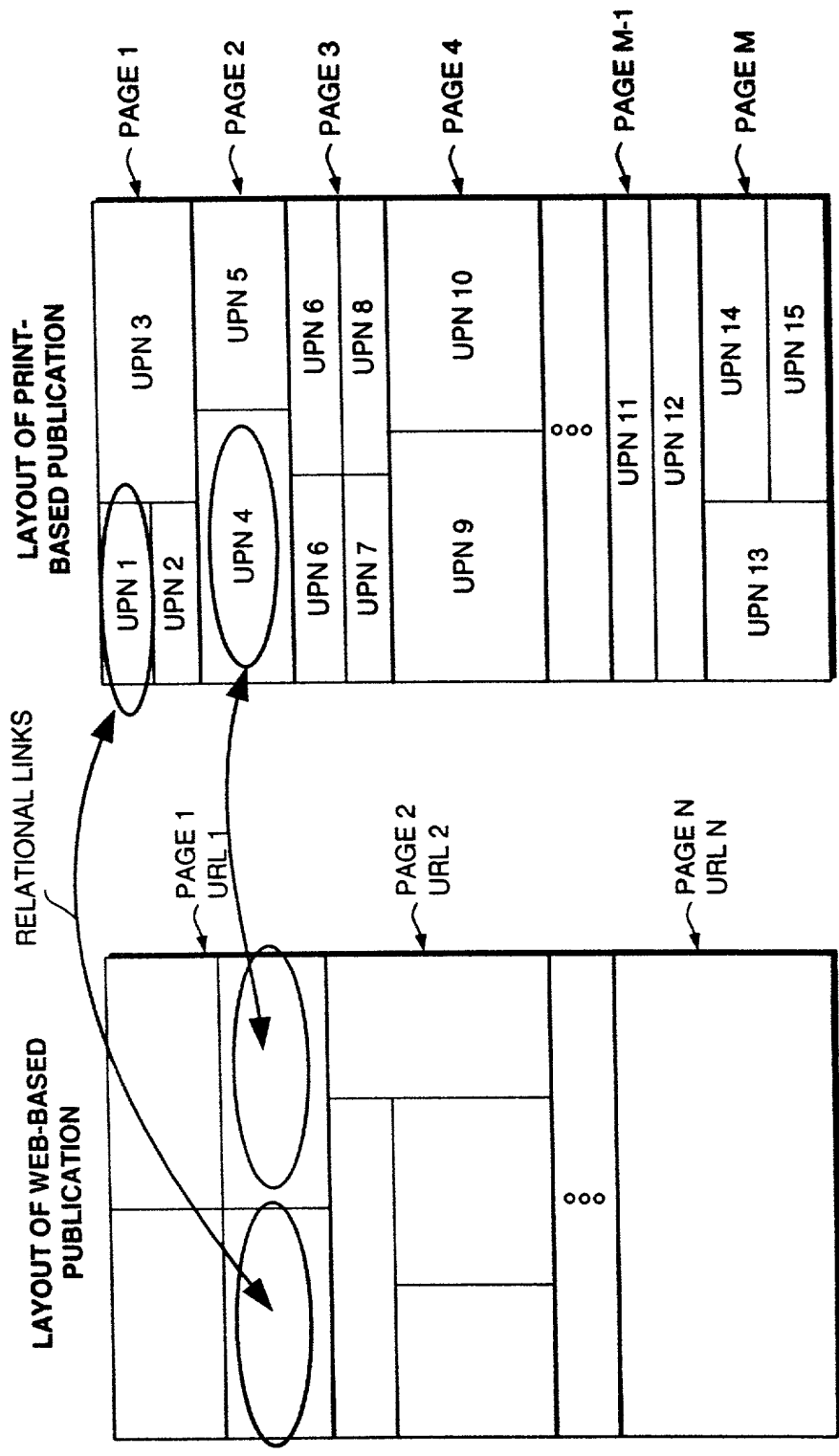


FIG. 2E1

FIG. 2E2

16/173

UPN/URL LINKS	
UPN	URL
UPN 1	URL 1
UPN 2	URL 2
UPN 3	URL 3
UPN 4	URL 4
UPN 5	URL 5
UPN 6	URL 6
UPN 7	URL 7
UPN 8	URL 8
UPN 9	URL 9
UPN 10	URL 10
UPN 11	URL 11
UPN 12	URL 12
UPN 13	URL 13
○ ○ ○	○ ○ ○
UPN N	URL N
UPN N-1	URL N-1

400

F I G. 2E3

12/193

COMPOSITION/EDITORIAL MODE

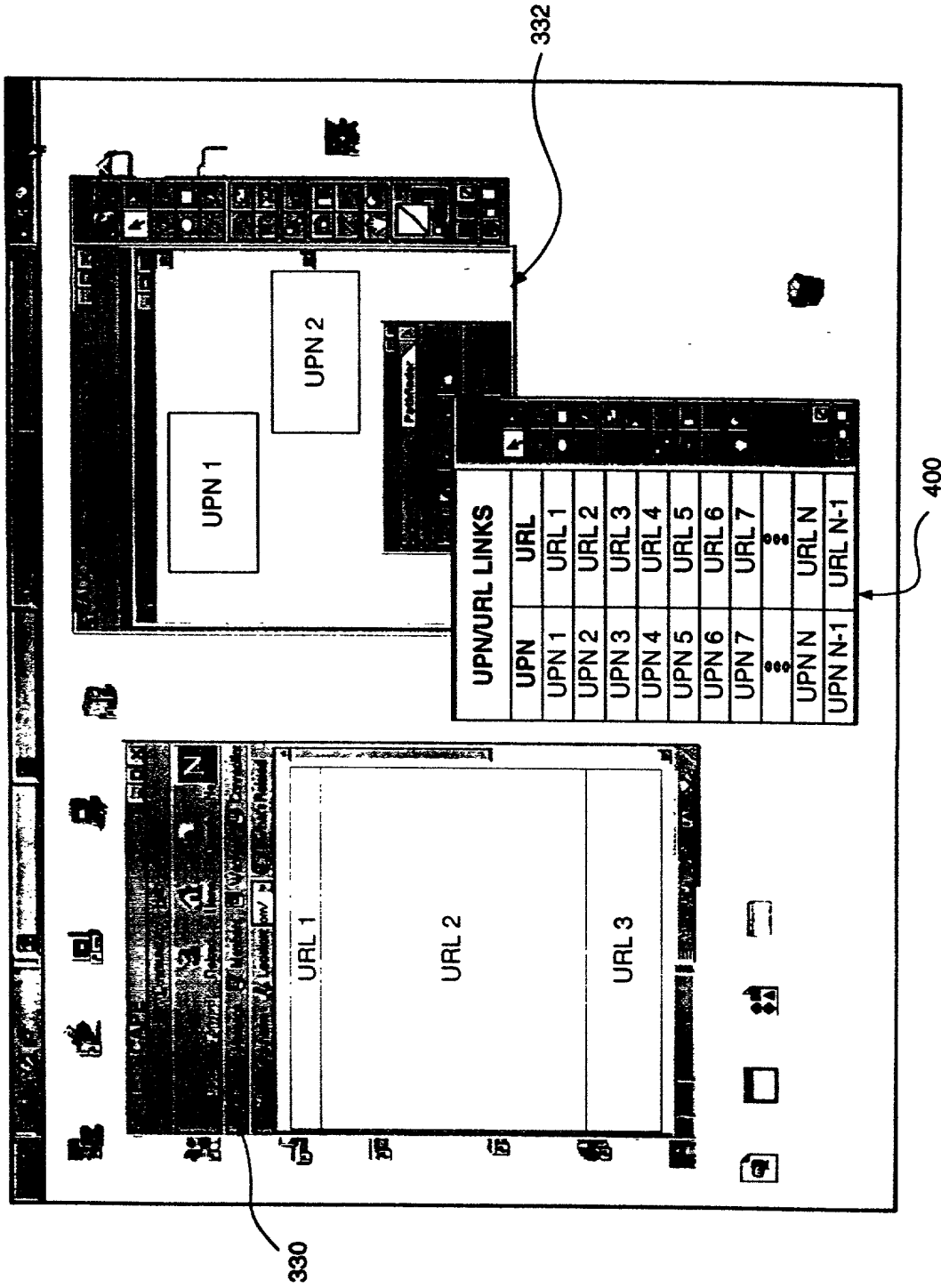


FIG. 2E4

FIG. 2E5

UPN/URL DATA LINKING MODE

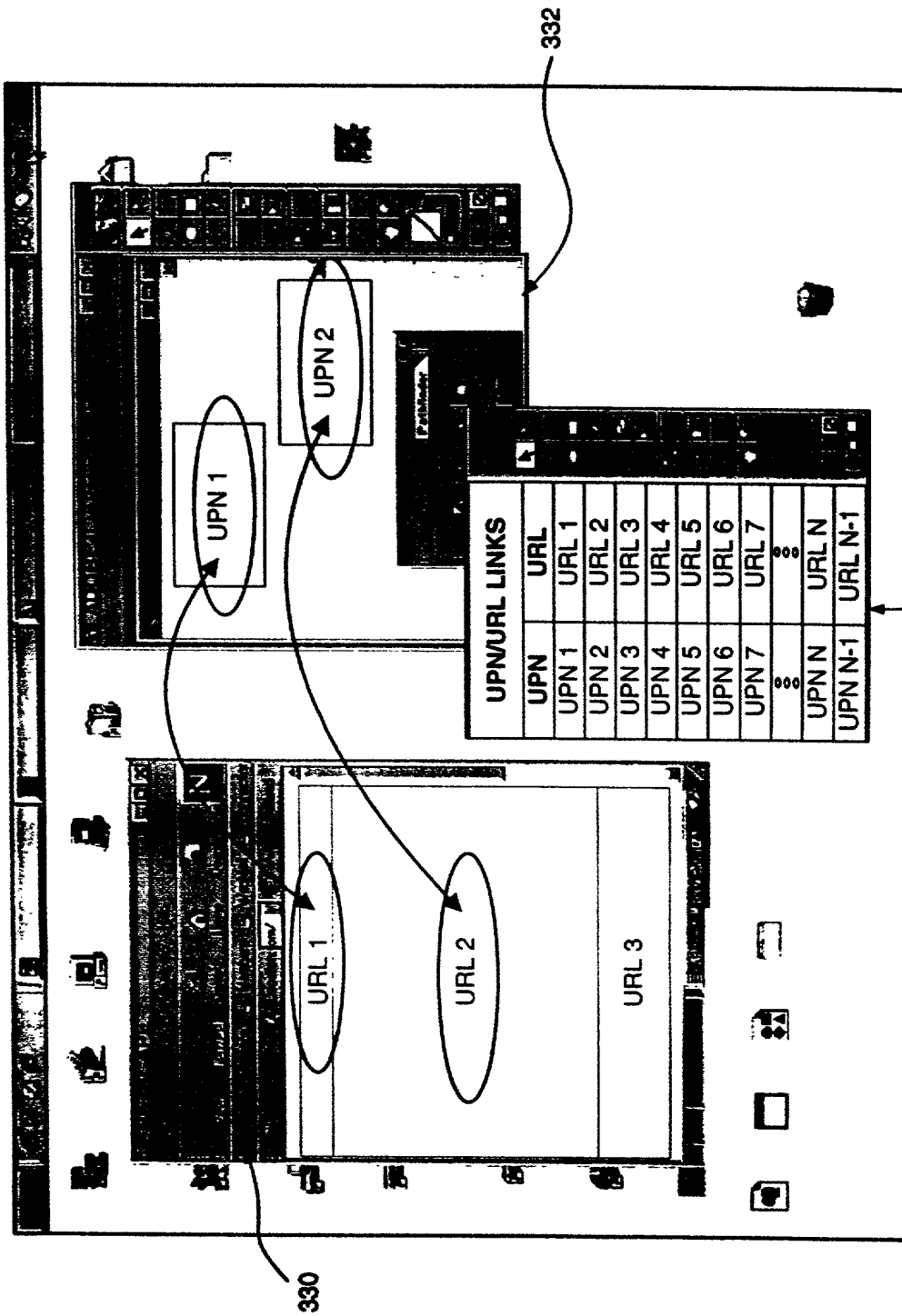


FIG. 2E5

10/173

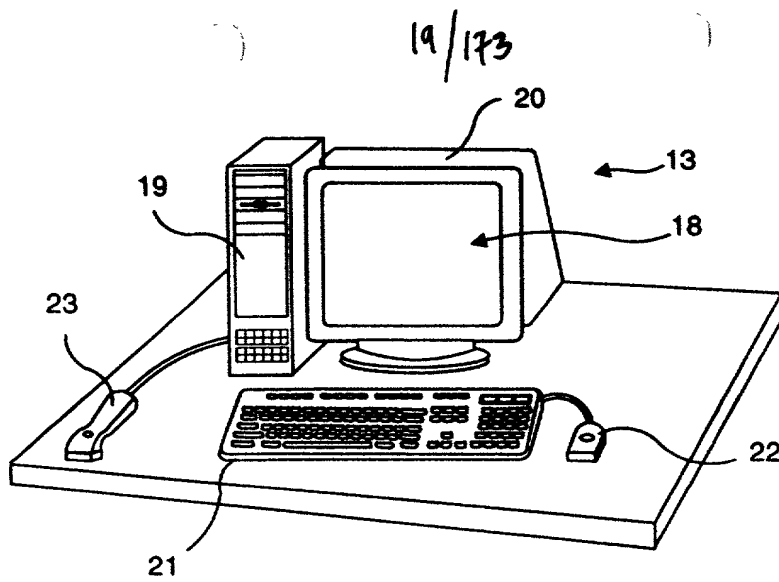


FIG. 3A1

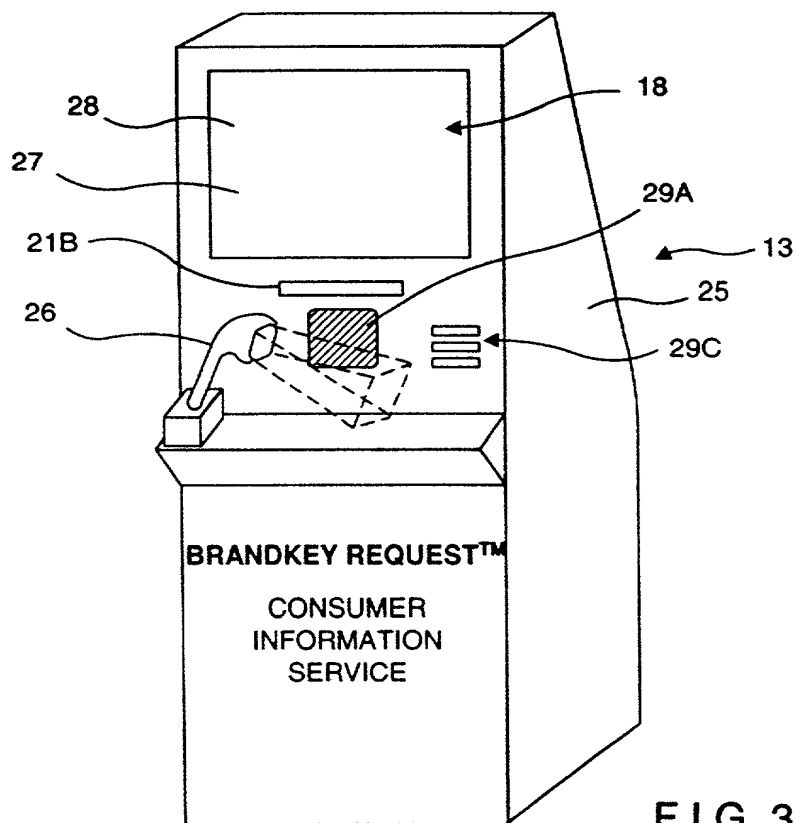


FIG. 3A2

20/123

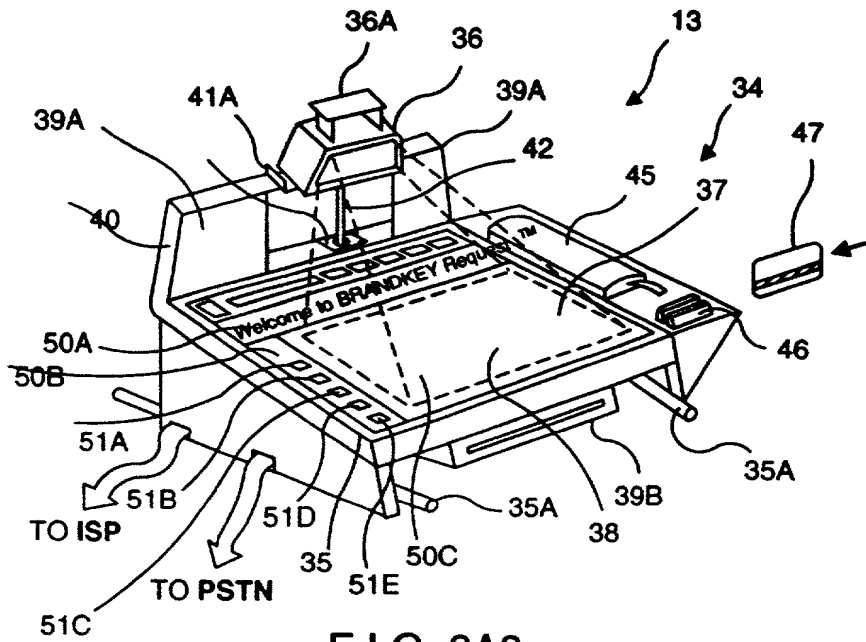


FIG. 3A3

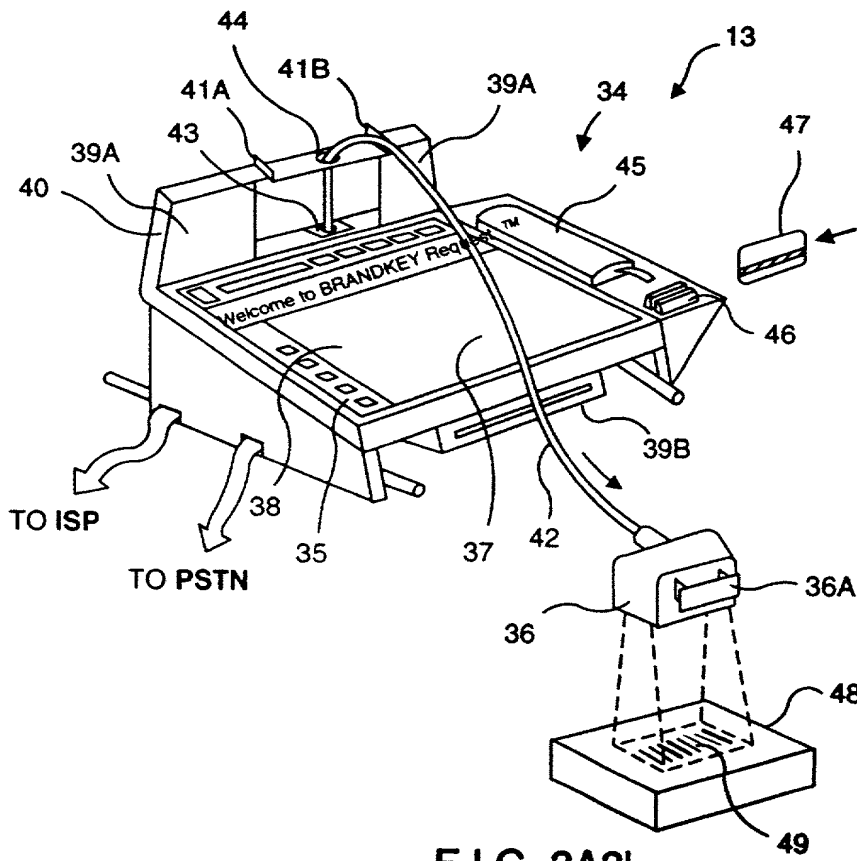
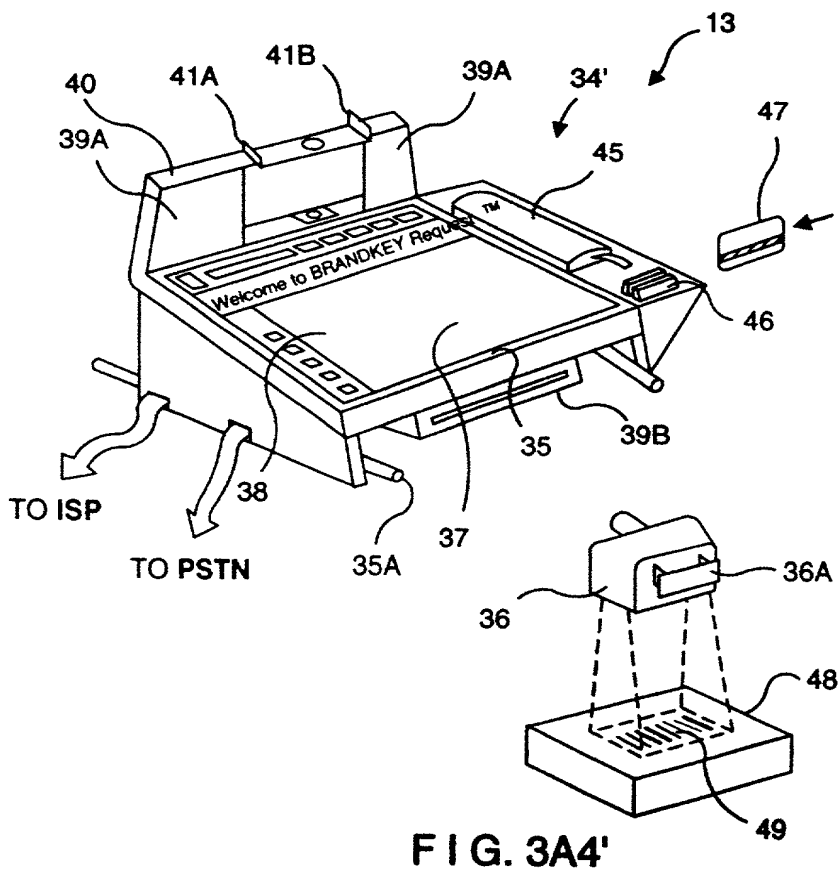
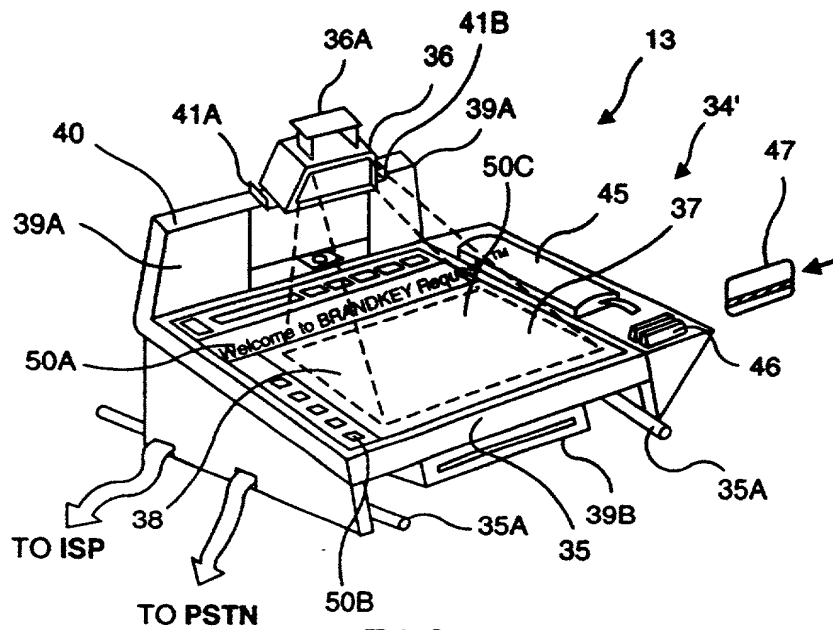


FIG. 3A3'

21/173



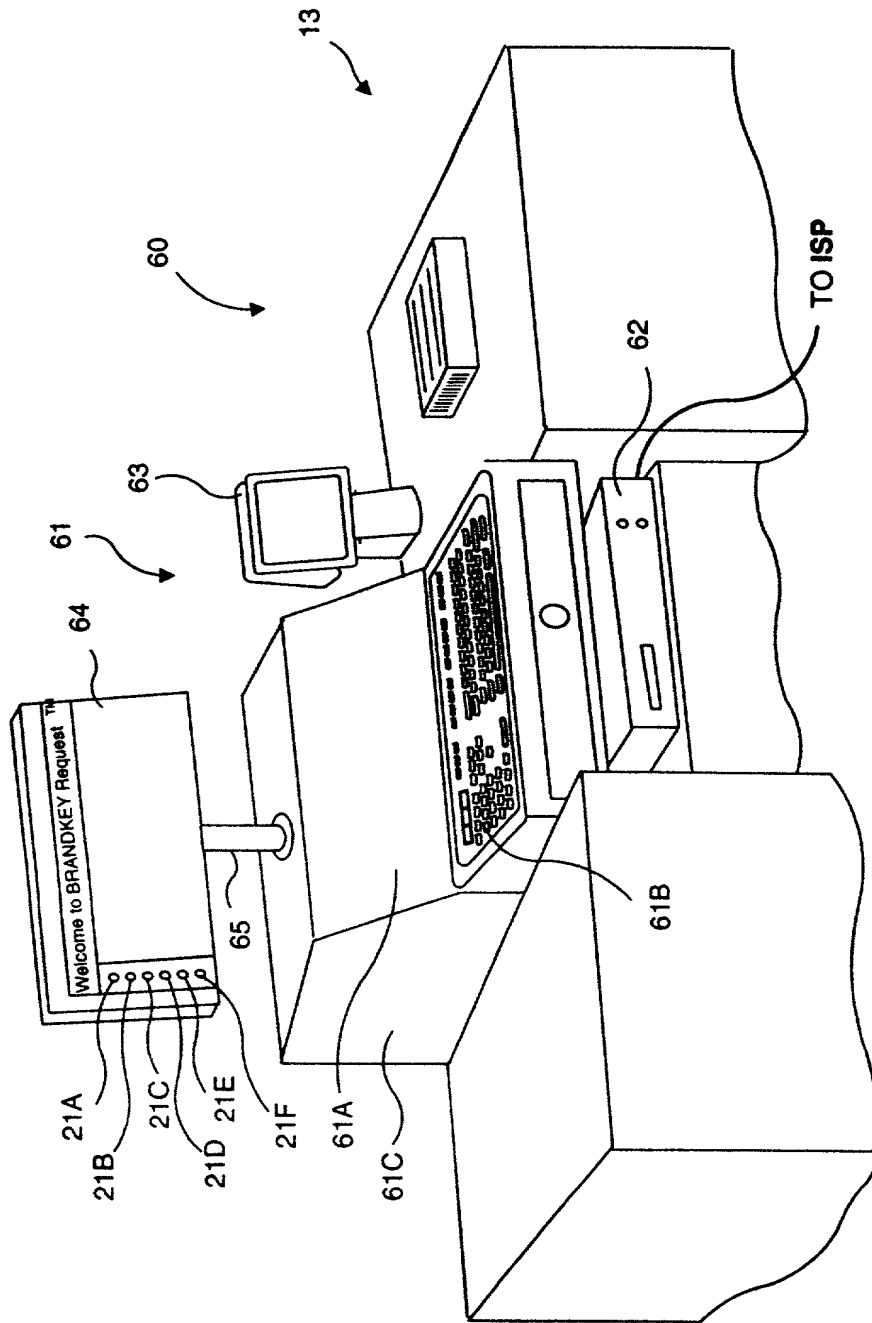


FIG. 3A5

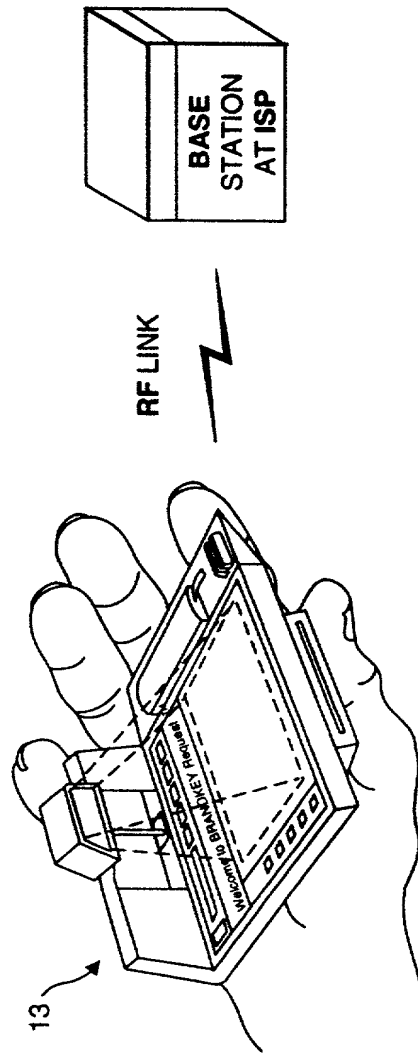


FIG. 3A6

24/173

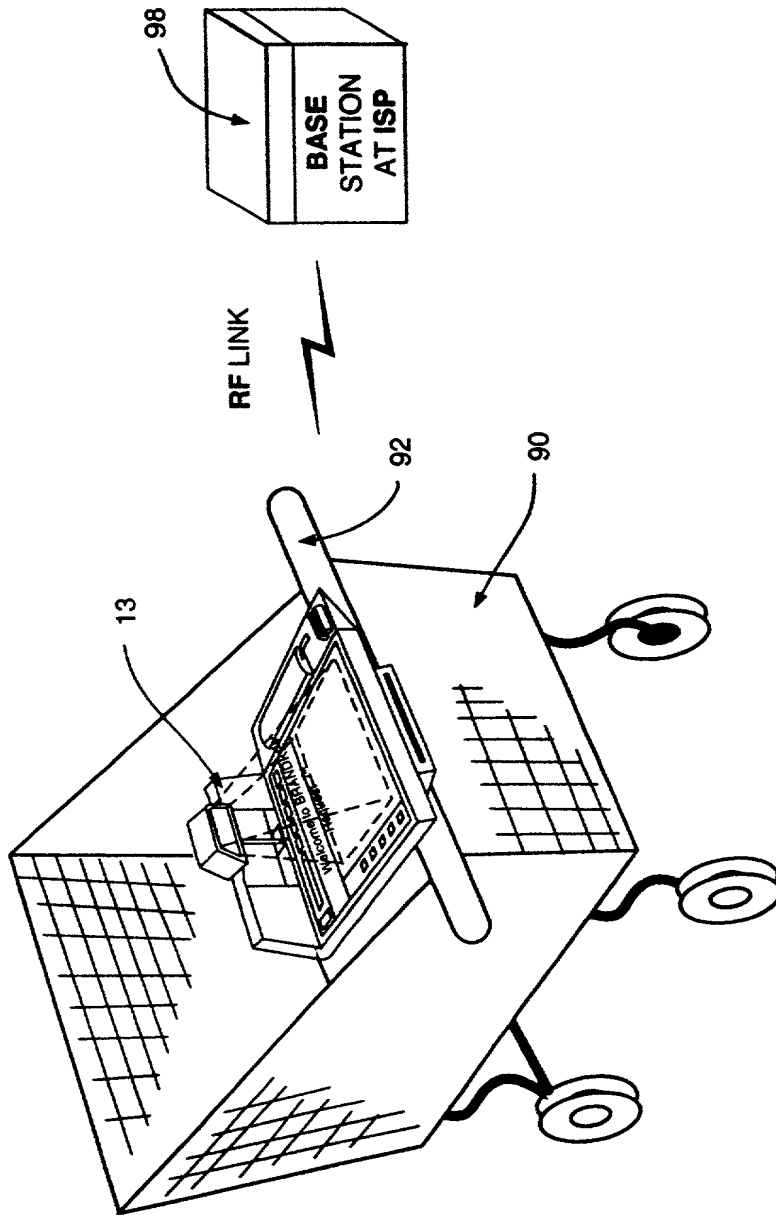


FIG. 3A7

25/173

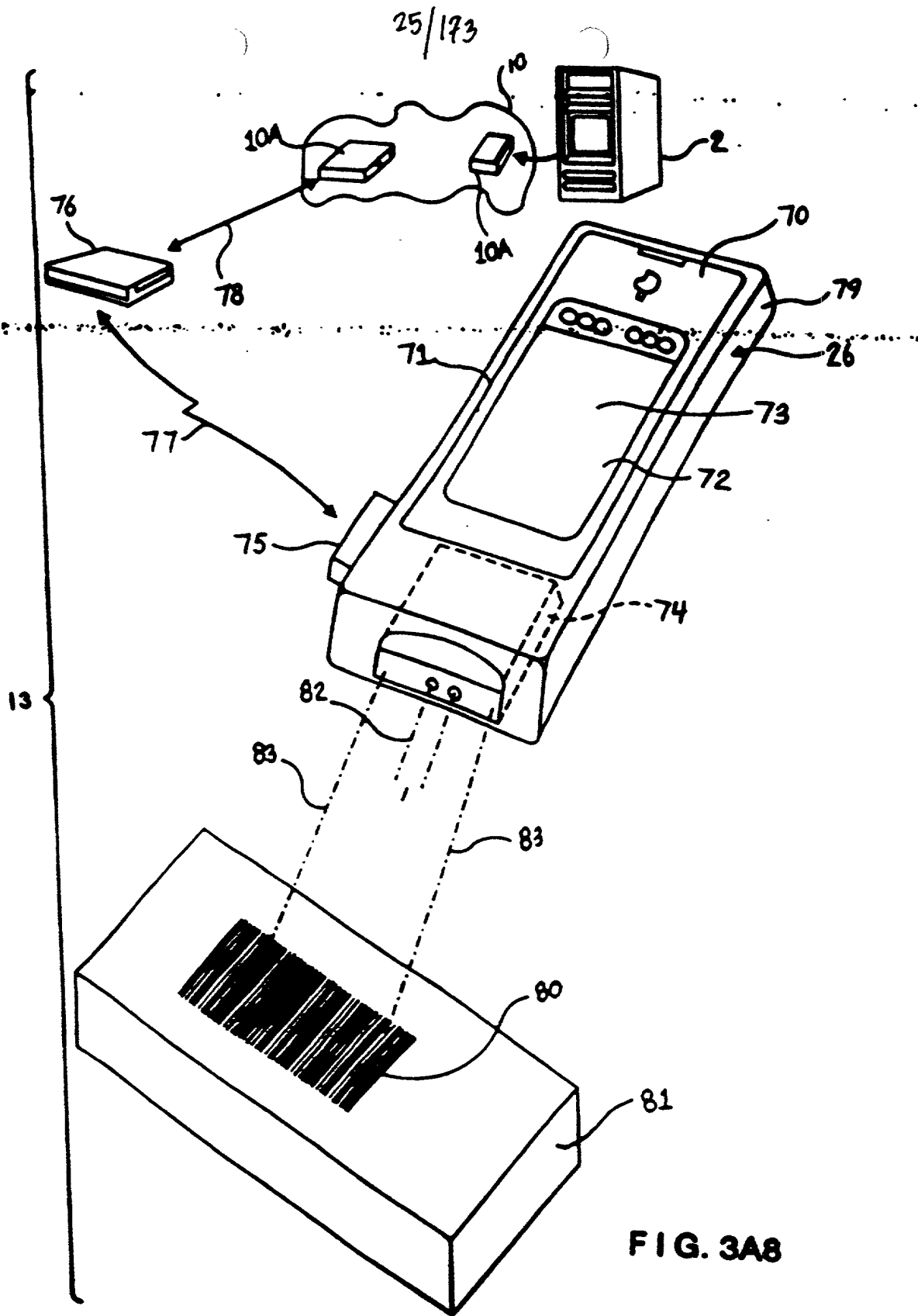
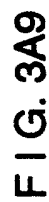


FIG. 3A8



27/173

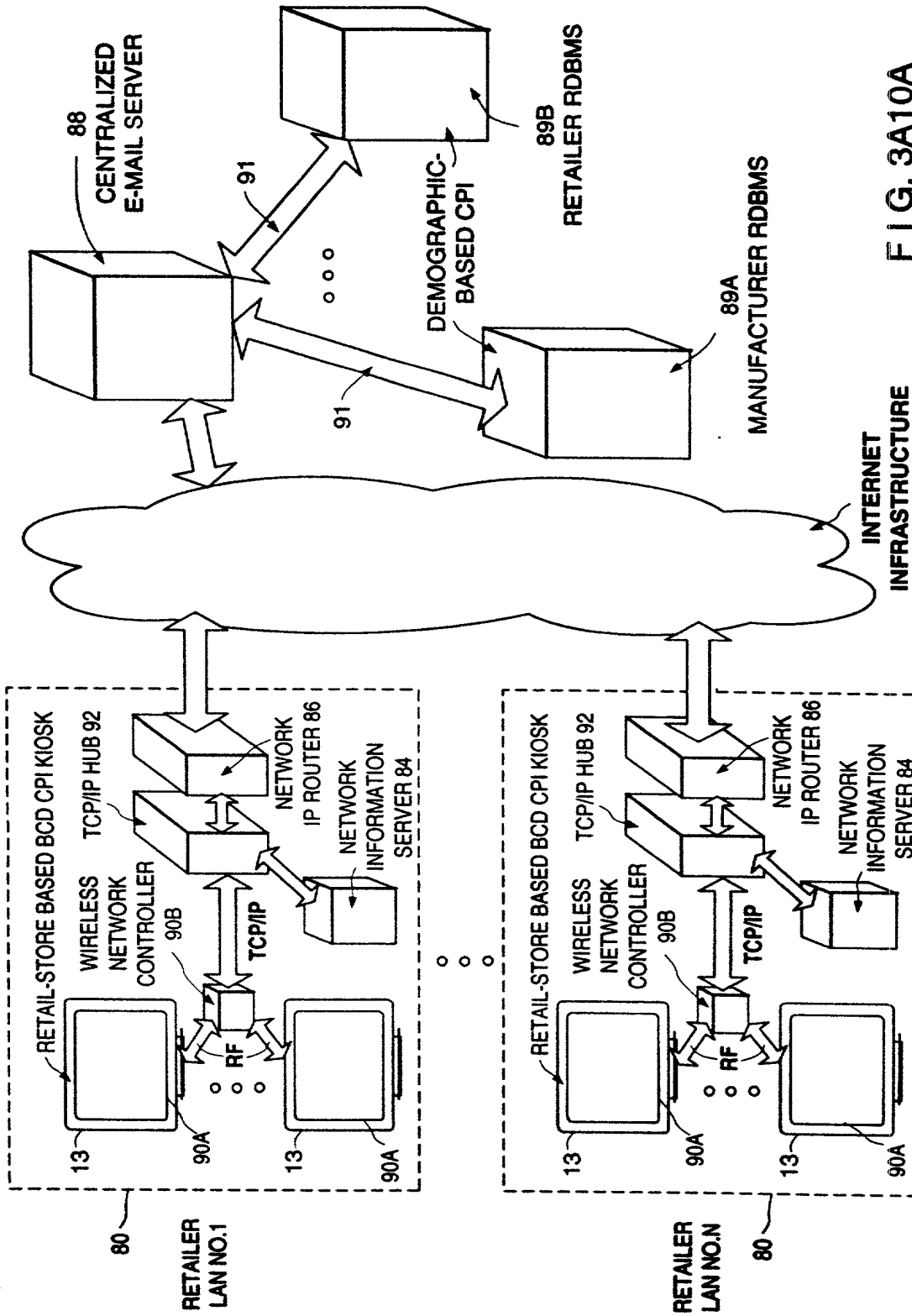


FIG. 3A10A

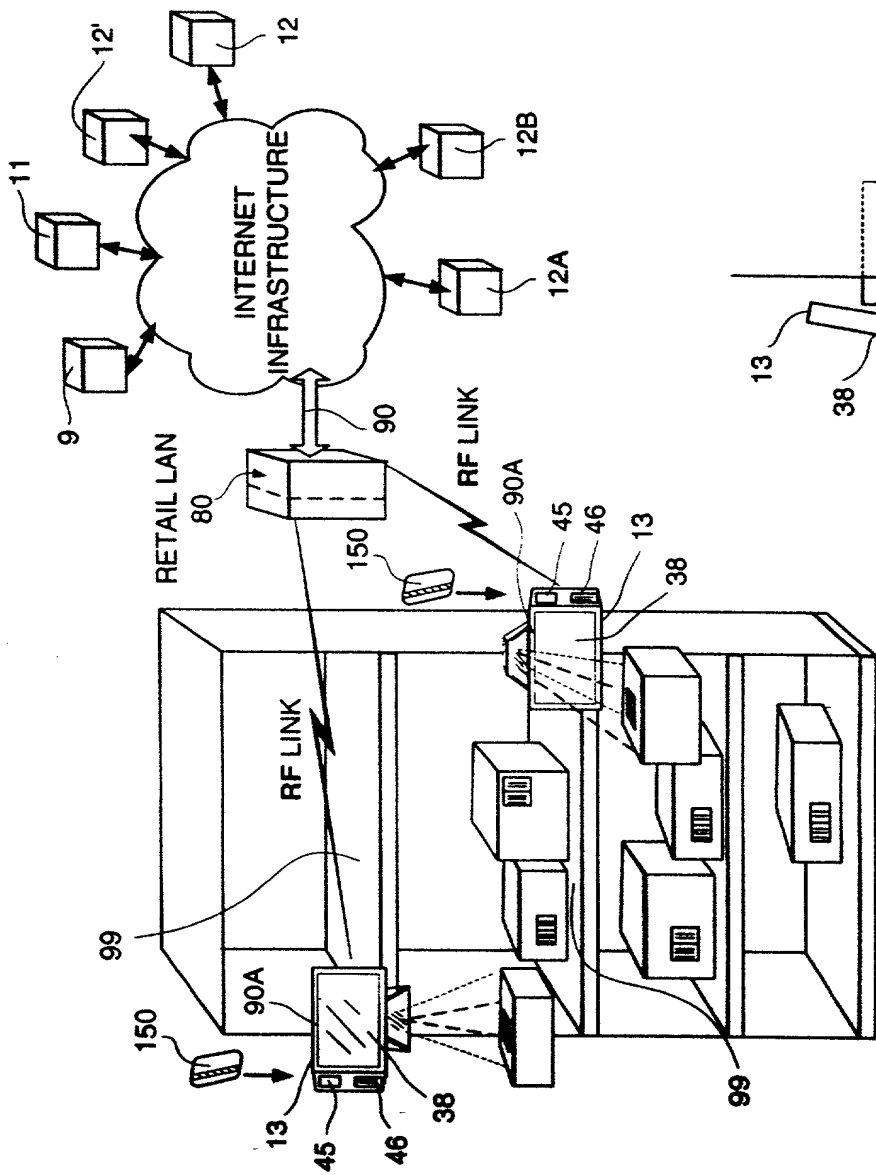


FIG. 3A10B

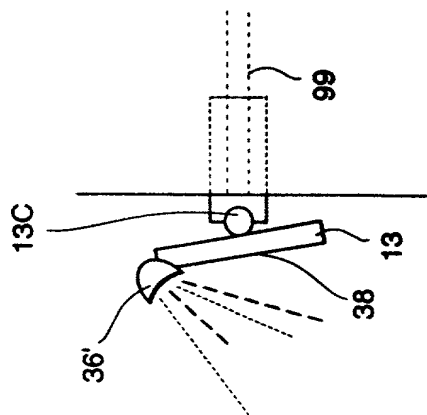


FIG. 3A10D

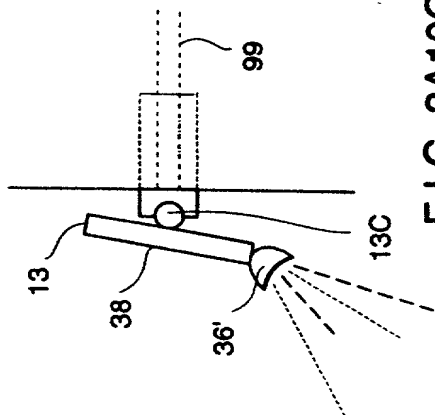


FIG. 3A10C

30/173

MASTER DATABASE TABLE MAINTAINED BY MANUFACTURER DATABASE MANAGEMENT SUBSYSTEM								
MANUFACTURER (MIN)	RETAIL KIOSK NO.	UPN	URL	DATE	DESTINATION E-MAIL ADDRESS	E-MAIL DELIVERY CRITERIA	CONSUMER NAME	CONSUMER ADDRESS
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•

FIG. 3A12

31/173

(1) LAUNCH A CONSUMER PRODUCT INFORMATION (CPI) CAPTURE AND TRANSPORT APPLICATION SERVICE ON AN INTERNET ENABLED BAR CODE DRIVEN (BCD) CPI KIOSK OF THE PRESENT INVENTION CONFIGURED IN A RETAILER TCP/IP LOCAL OR WIDE AREA NETWORK DEPLOYED WITHIN A RETAIL SHOPPING ENVIRONMENT, AND (2) DISPLAY ON THE KIOSK SCREEN A CPI-TRANSPORTING "ELECTRONIC-MAIL" ENVELOPE HAVING A JAVA ENABLED GUI PROVIDED WITH

- i) A FIRST SINGLE-CLICK BUTTON FOR CAPTURING AND STORING AS AN HTML ENCODED DOCUMENT THEREIN, ANY CPI RELATED DOCUMENT BEING DISPLAYED ON THE BCD CPI KIOSK
- ii) A SECOND SINGLE-CLICK BUTTON FOR TRANSPORTING COPIES OF THE ENVELOPE TO THE E-MAIL ADDRESS OF CONSUMER
- iii) A CONSUMER E-MAIL ADDRESS FIELD FOR ENTERING THE E-MAIL ADDRESS OF THE CONSUMER/SHOPPER, TO WHICH A COPY OF THE E-MAIL ENVELOPE CAN BE AUTOMATICALLY SENT DURING TRANSPORT
- iv) A RETAILER E-MAIL ADDRESS FIELD CONTAINING A PRESENT E-MAIL ADDRESS OF THE RETAILER OPERATING THE KIOSK, INDICATING THE RETAIL STORE LOCATION, AND POSSIBLY THE RETAIL DEPARTMENT FROM WHICH THE CPI-TRANSPORTING ENVELOPE WAS SENT ON THE TIME AND DATE OF THE ELECTRONIC MESSAGE TRANSMISSION

A

ENTER THE CONSUMER E-MAIL ADDRESS INTO THE CONSUMER E-MAIL ADDRESS FIELD OF THE ENVELOPE (e.g. BY MANUALLY TYPING THE E-MAIL ADDRESS, READING A BAR CODED CONSUMER IDENTIFICATION CARD HAVING THE CONSUMER'S E-MAIL ADDRESS AND OTHER INFORMATION ENCODED THEREWITHIN, OR BY READING A MAGNETIC STRIPE TYPE CONSUMER IDENTIFICATION CARD ENCODED WITH THE SAME OR SIMILAR INFORMATION USING A MAGNETIC STRIPE READER INTERFACED WITH THE BCD CPI KIOSK)

B

A

FIG. 3A13A

32/173

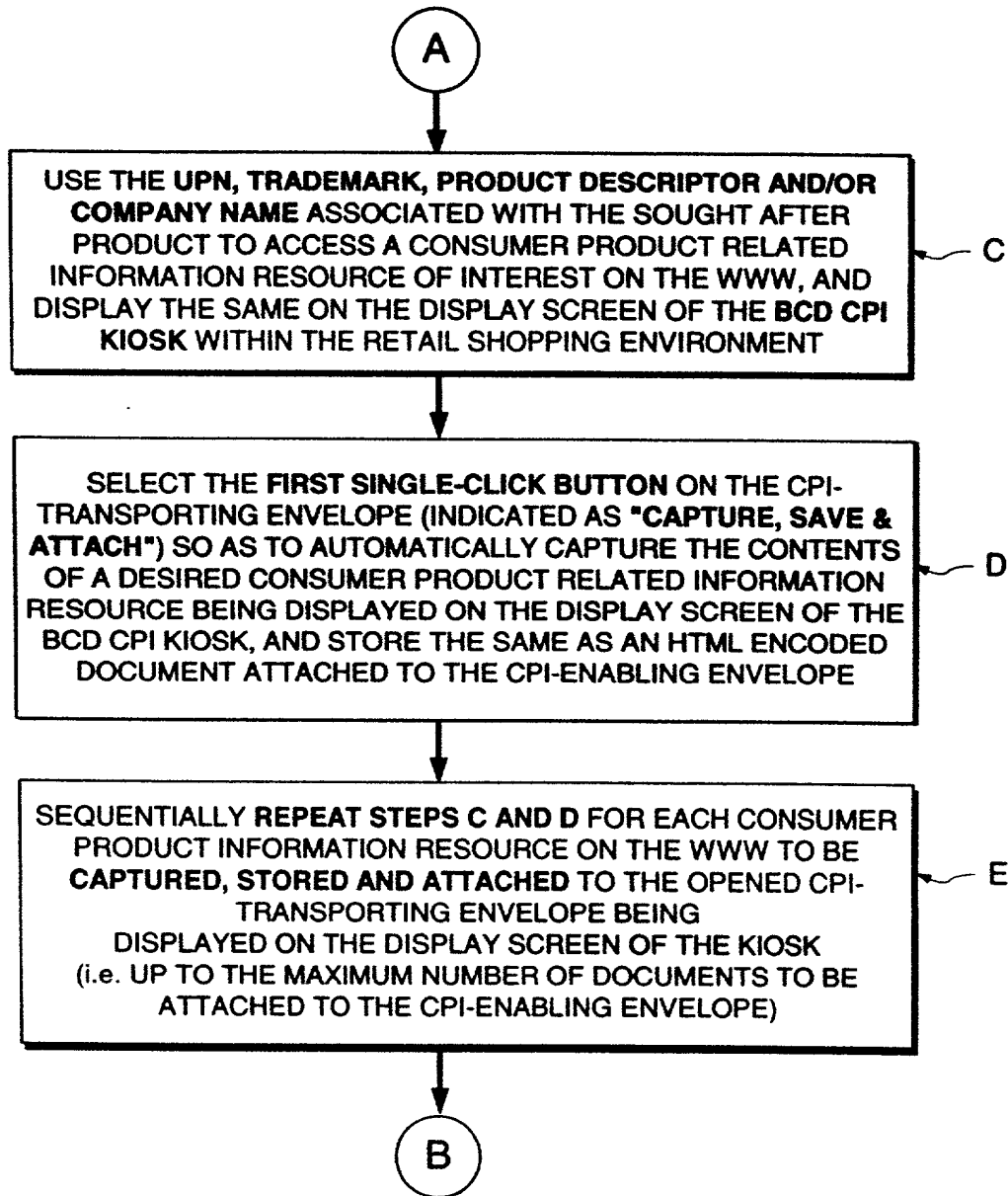


FIG. 3A13B

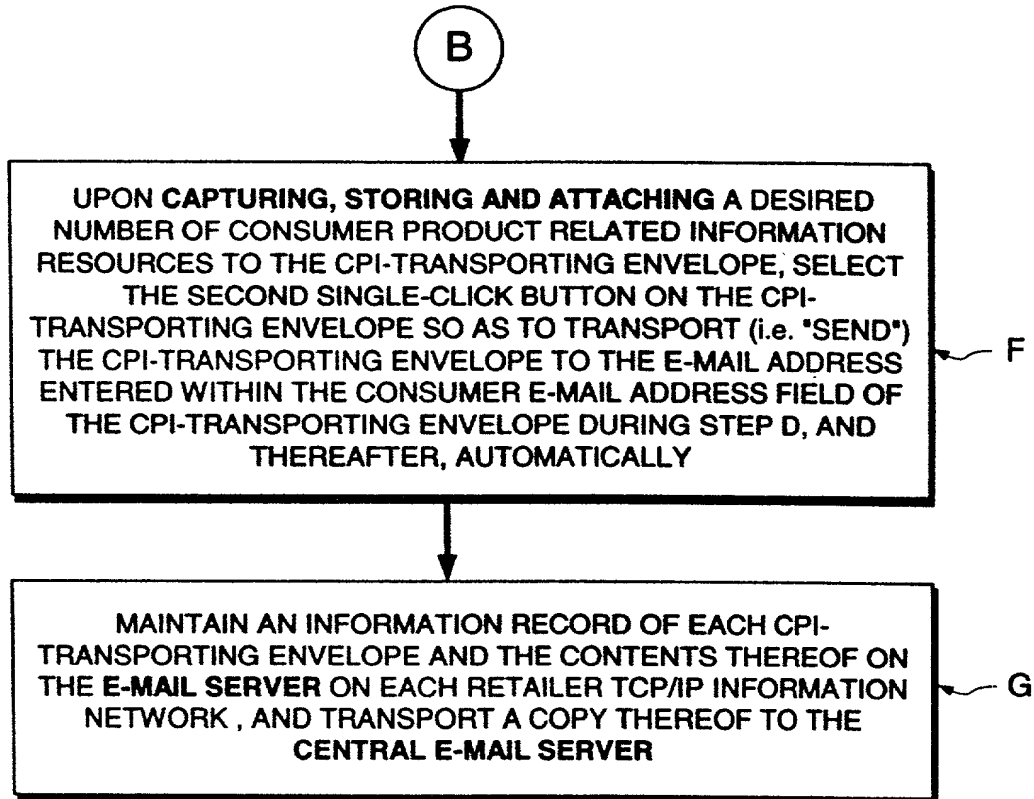


FIG. 3A13C

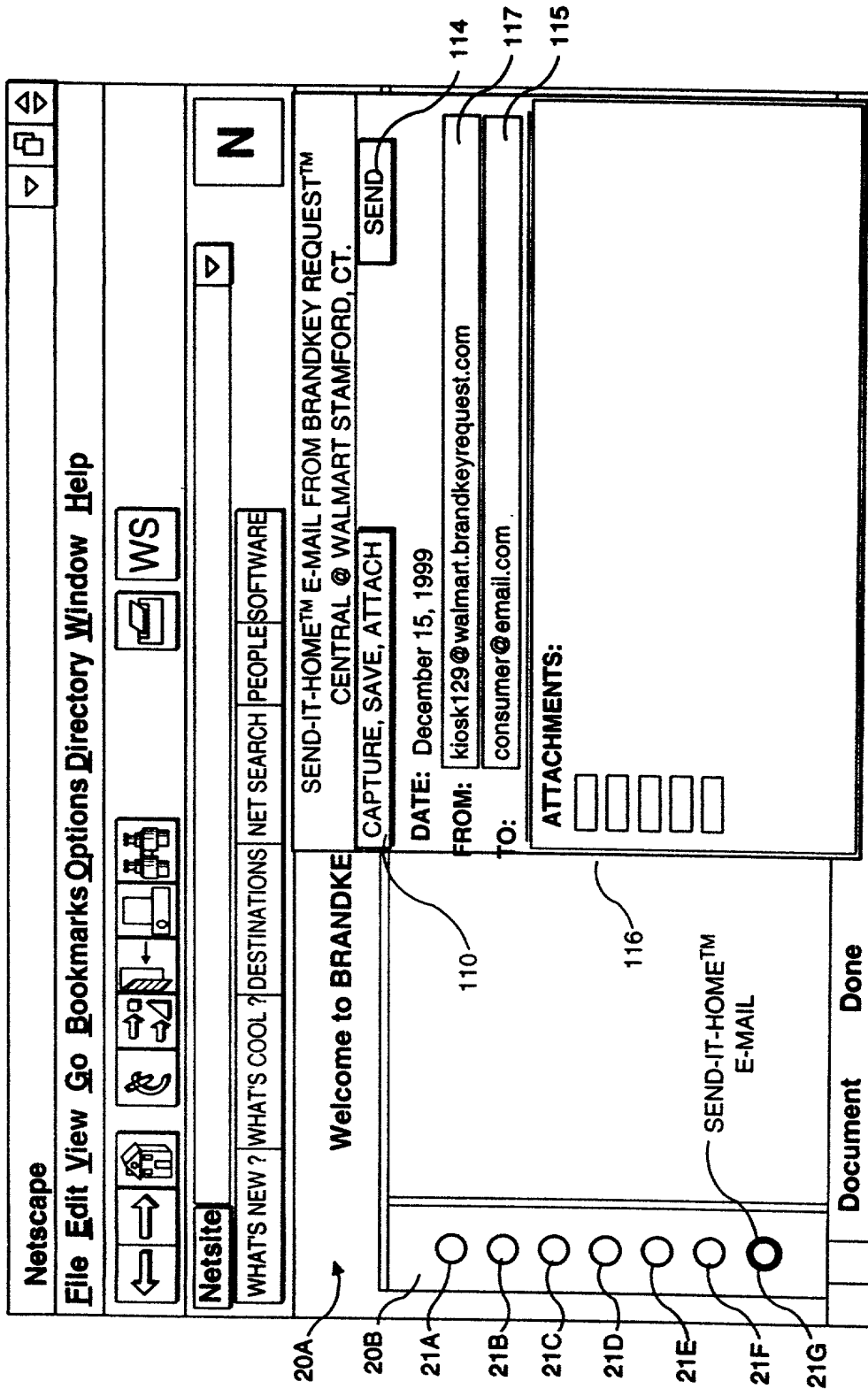


FIG. 3A14

(1) LAUNCH A CONSUMER PRODUCT INFORMATION (CPI) CAPTURE AND TRANSPORT APPLICATION SERVICE ON AN INTERNET ENABLED BAR CODE DRIVEN (BCD) CPI KIOSK OF THE PRESENT INVENTION CONFIGURED IN A RETAILER TCP/IP LOCAL OR WIDE AREA NETWORK DEPLOYED WITHIN A RETAIL SHOPPING ENVIRONMENT, AND (2) DISPLAY ON THE KIOSK SCREEN A CPI-TRANSPORTING "ELECTRONIC-MAIL" ENVELOPE HAVING A JAVA ENABLED GUI PROVIDED WITH

- i) A FIRST SINGLE-CLICK BUTTON FOR CAPTURING AND STORING AS AN HTML ENCODED DOCUMENT THEREIN, ANY CPI RELATED DOCUMENT BEING DISPLAYED ON THE BCD CPI KIOSK**
- ii) A SECOND SINGLE-CLICK BUTTON FOR TRANSPORTING COPIES OF THE ENVELOPE TO THE E-MAIL ADDRESS OF CONSUMER**
- iii) A CONSUMER E-MAIL ADDRESS FIELD FOR ENTERING THE E-MAIL ADDRESS OF THE CONSUMER/SHOPPER, TO WHICH A COPY OF THE E-MAIL ENVELOPE CAN BE AUTOMATICALLY SENT DURING TRANSPORT IF ENABLED BY THE CONSUMER/SHOPPER**
- iv) A RETAILER E-MAIL ADDRESS FIELD CONTAINING A PRESENT E-MAIL ADDRESS OF THE RETAILER OPERATING THE KIOSK, INDICATING THE RETAIL STORE LOCATION, AND POSSIBLY THE RETAIL DEPARTMENT FROM WHICH THE CPI-TRANSPORTING ENVELOPE WAS SENT ON THE TIME AND DATE OF THE ELECTRONIC MESSAGE TRANSMISSION**

A

ENTER THE CONSUMER E-MAIL ADDRESS INTO THE CONSUMER E-MAIL ADDRESS FIELD OF THE ENVELOPE (e.g. BY MANUALLY TYPING THE E-MAIL ADDRESS, READING A BAR CODED CONSUMER IDENTIFICATION CARD HAVING THE CONSUMER'S E-MAIL ADDRESS AND OTHER INFORMATION ENCODED THEREWITHIN, OR BY READING A MAGNETIC STRIPE TYPE CONSUMER IDENTIFICATION CARD ENCODED WITH THE SAME OR SIMILAR INFORMATION USING A MAGNETIC STRIPE READER INTERFACED WITH THE BCD CPI KIOSK)

B

A

FIG. 3A15A

36/173

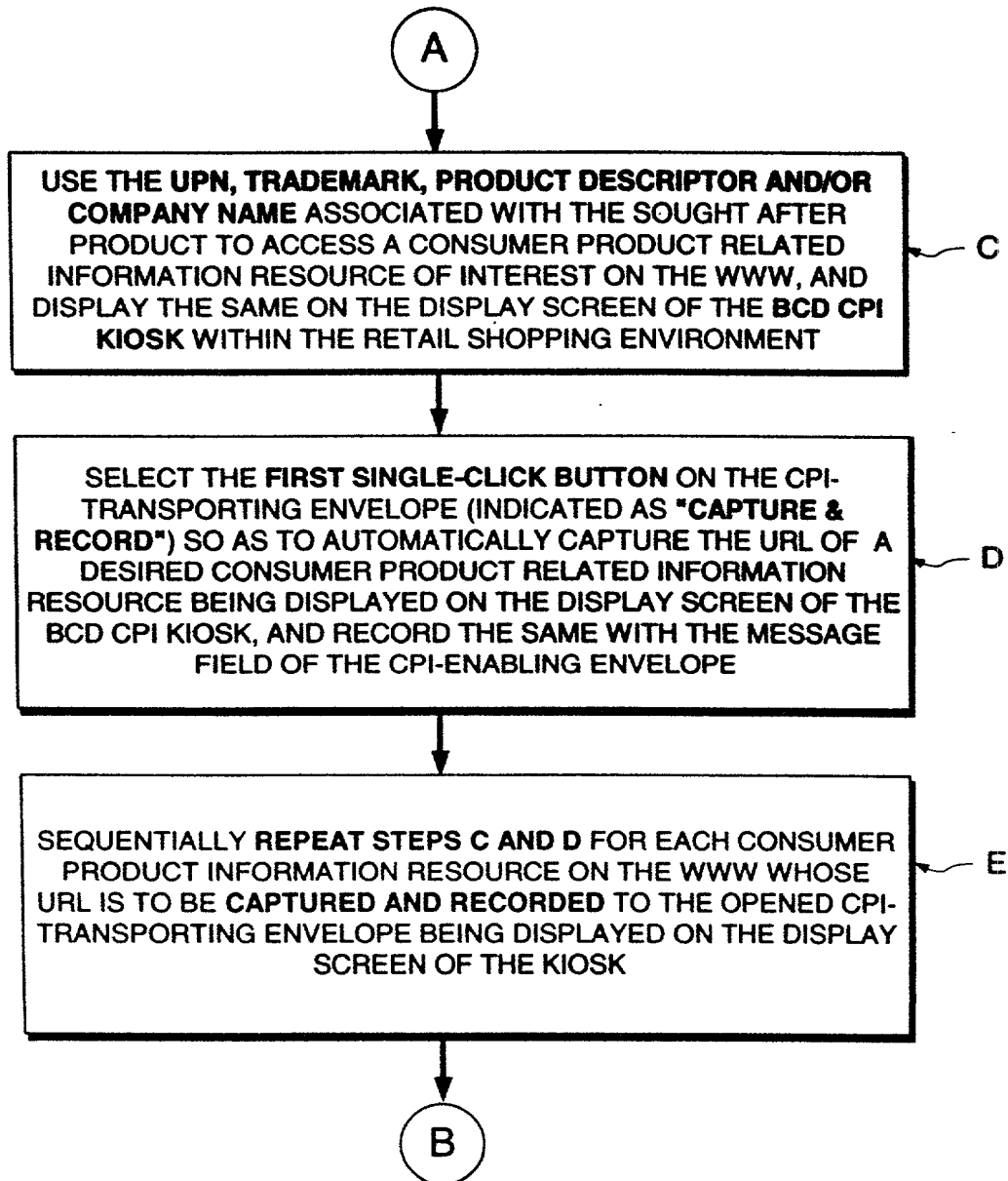


FIG. 3A15B

32/173

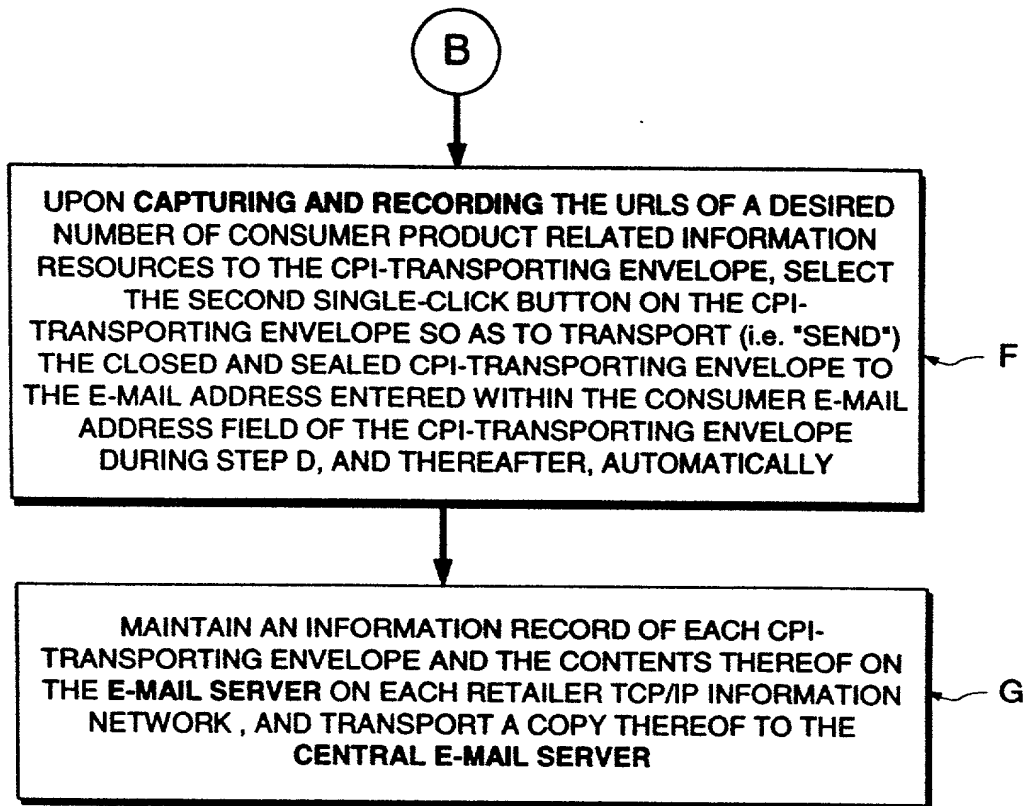


FIG. 3A15C

39/173

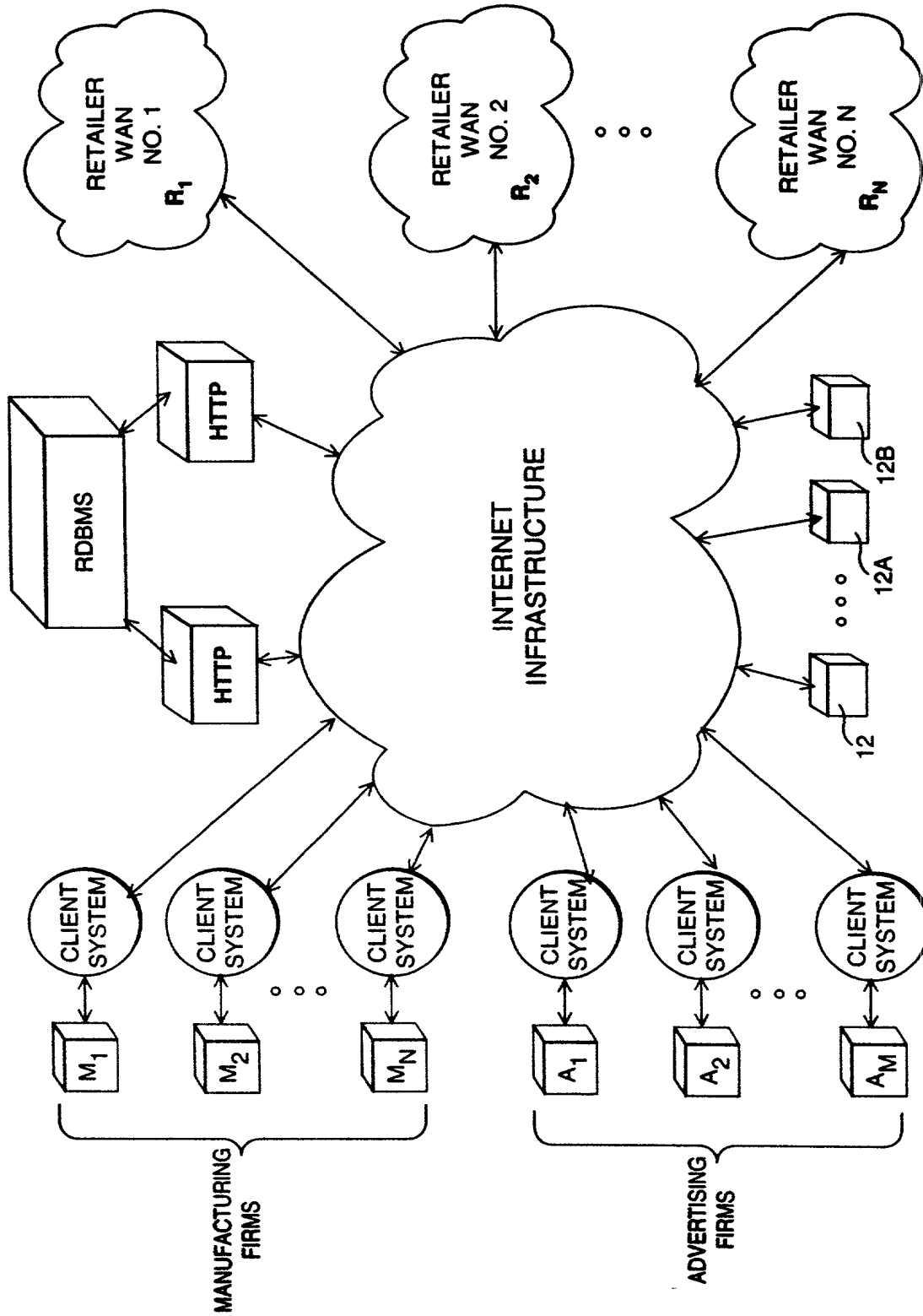


FIG. 3A17

31/173

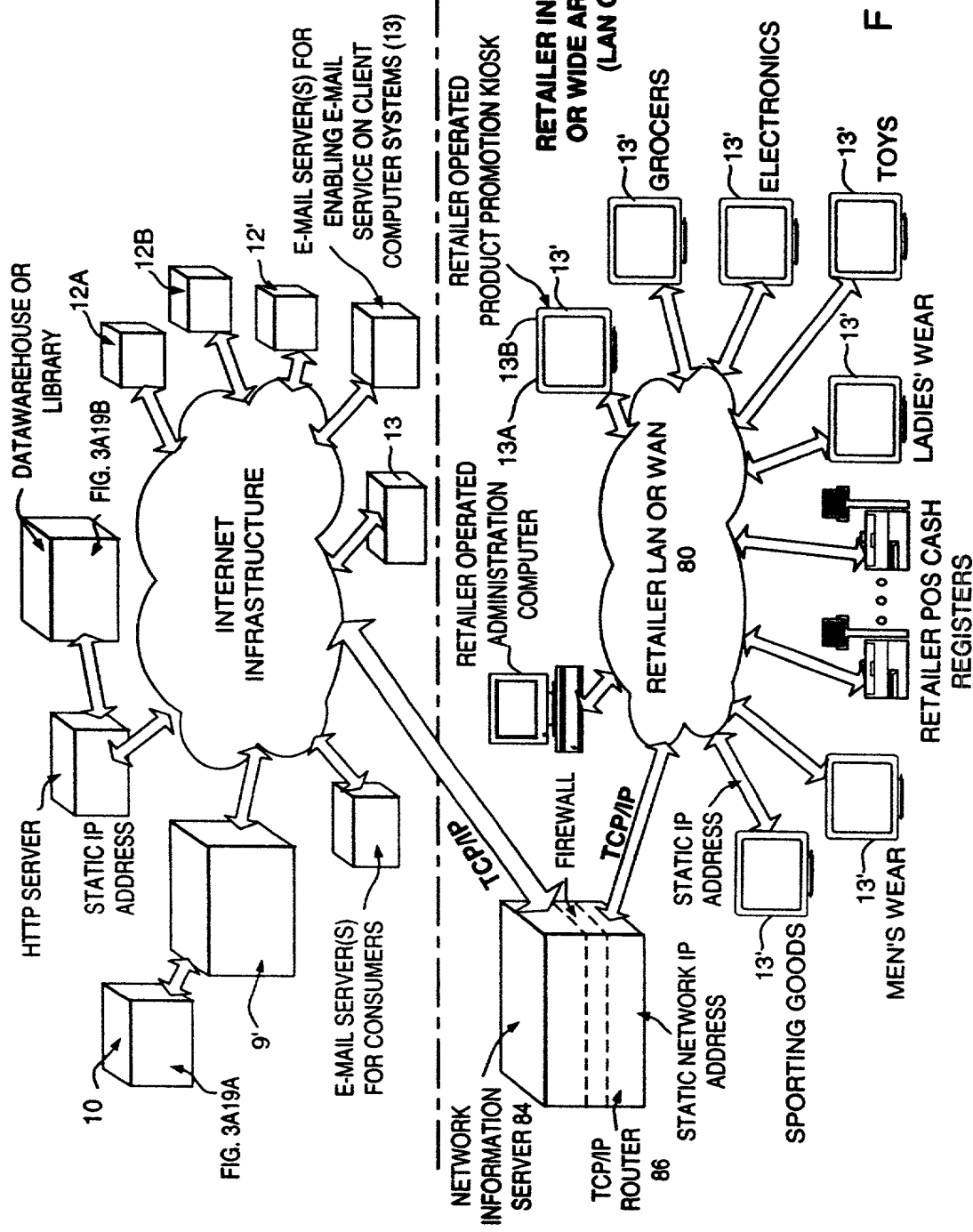


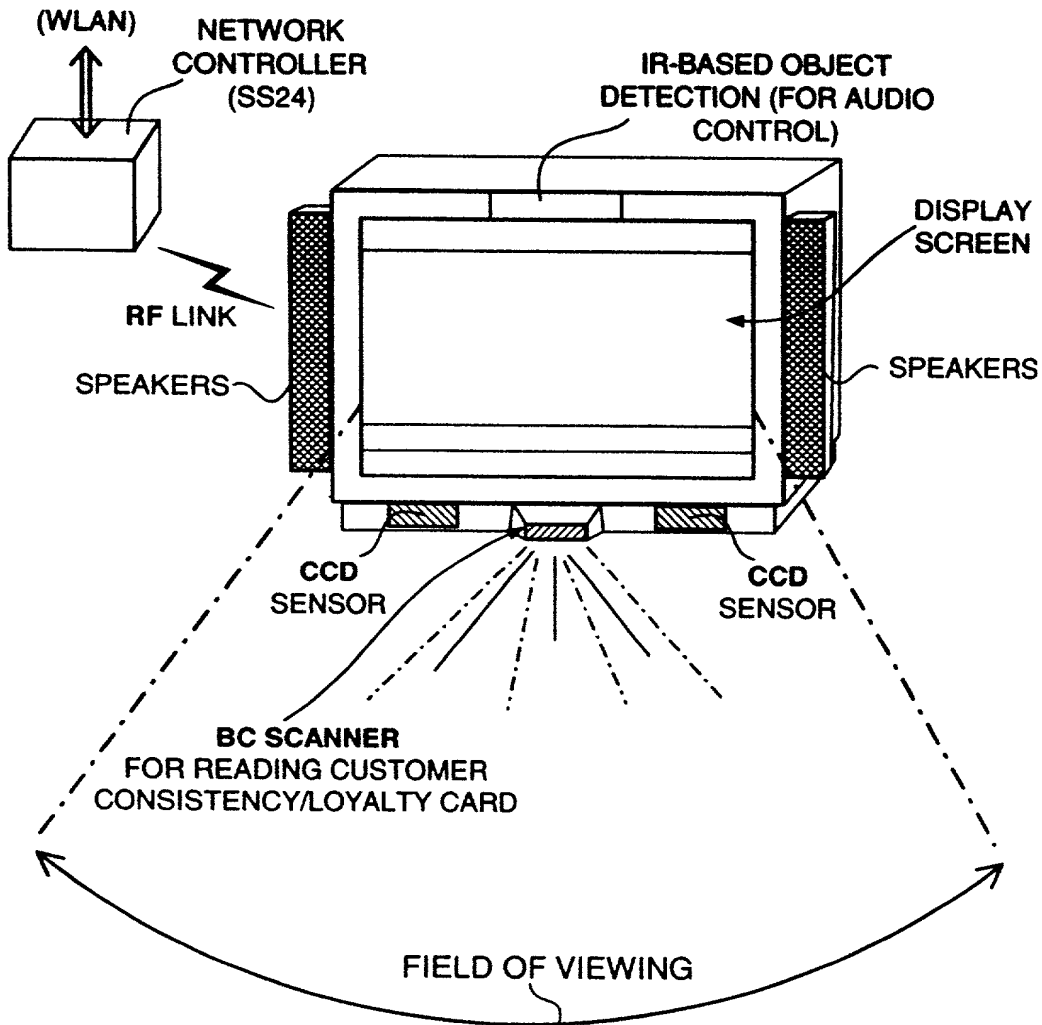
FIG. 3A18

40/173

UPN	RETAILER	URL NO. 1	...	URL NO. N	TRADEMARKS	PRODUCT DESCRIPTION	E-MAIL
			...				
...

FIG. 3A19A

41/173



FEATURES:

- EYE TRAINING AND ACCOUNTING SUBSYSTEM
- TRACKS DETECTED EYEBALL

FIG. 3A19C

42/173

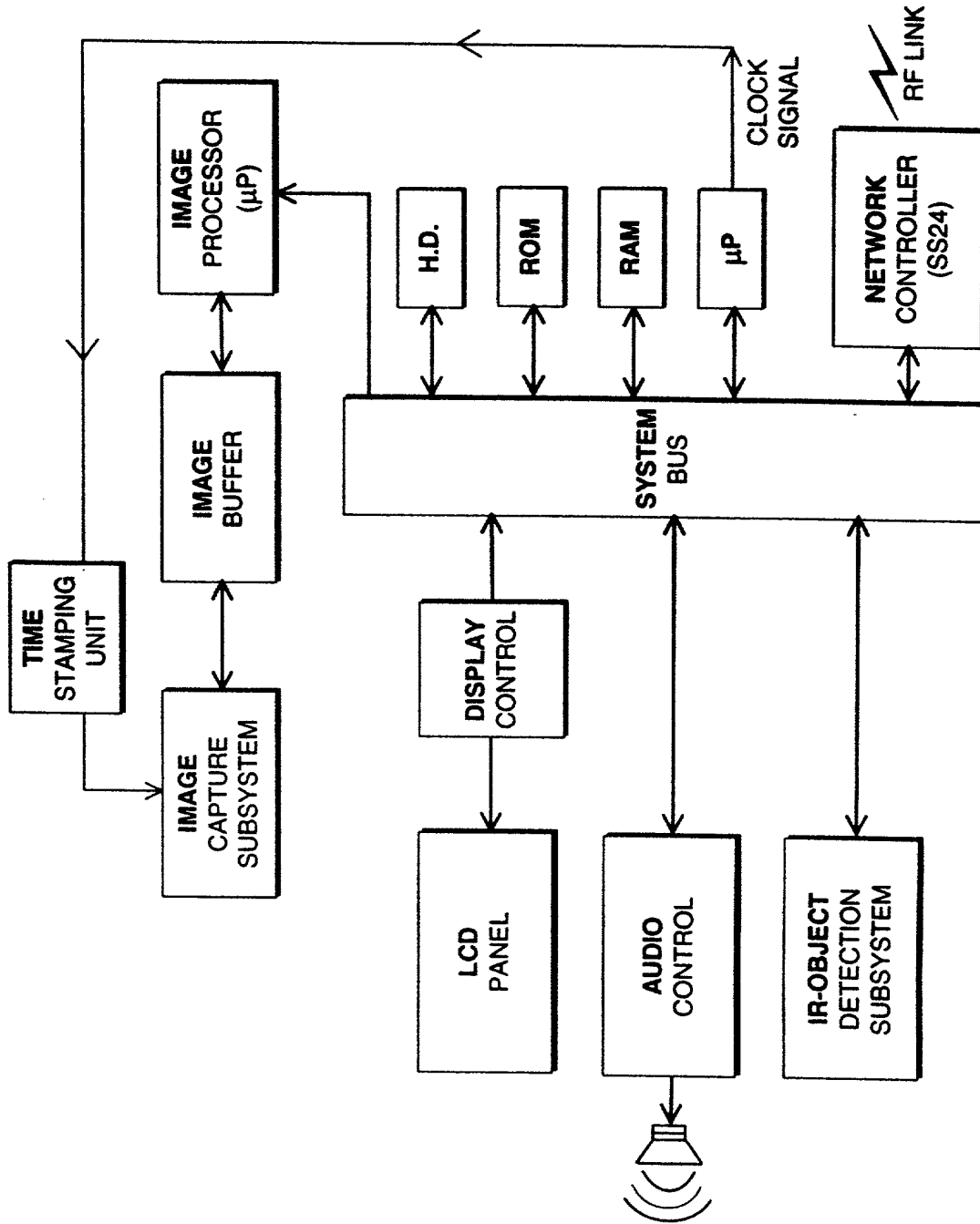


FIG. 3A19D

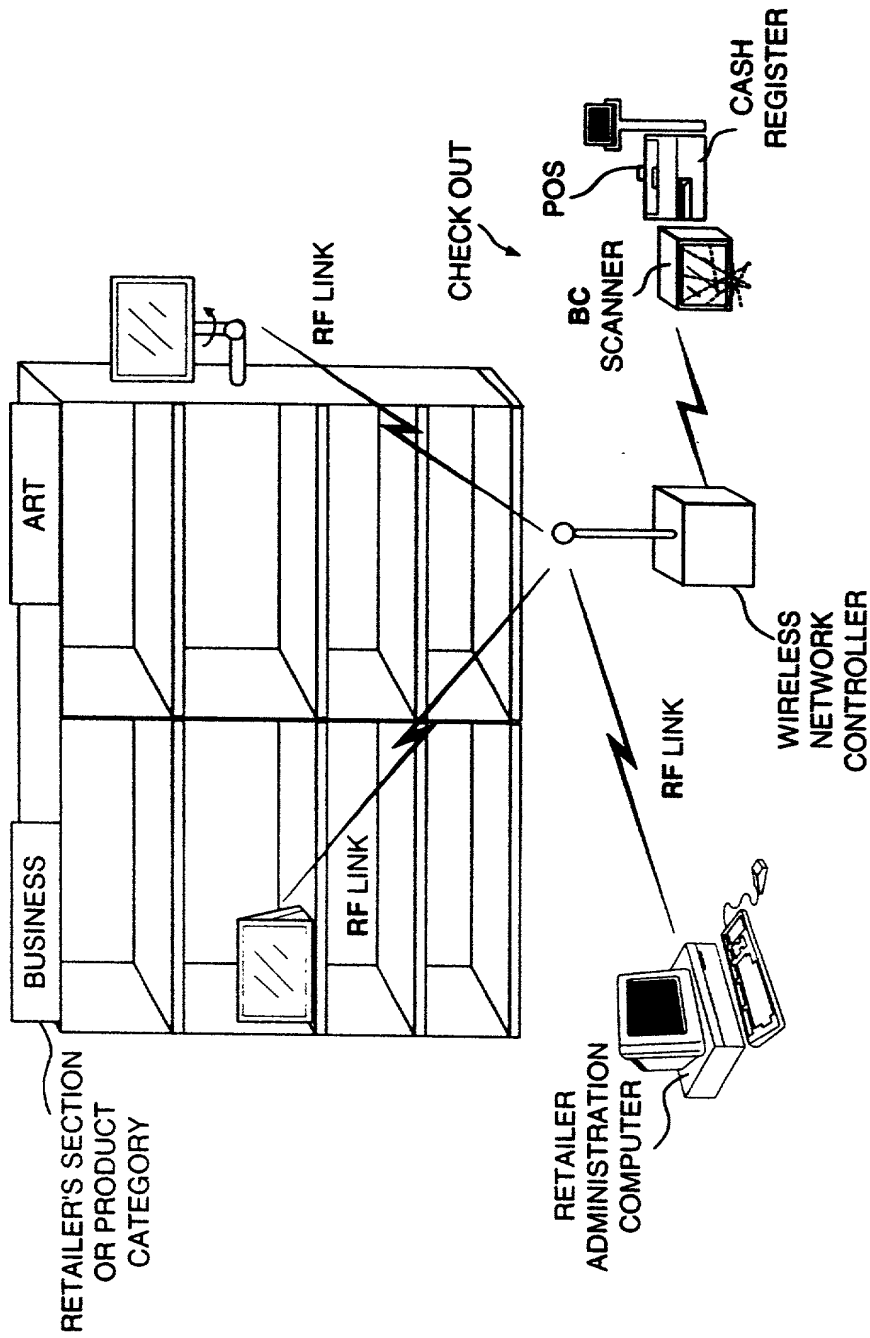


FIG. 3A20

44/193

DISPLAY FRAME FOR DISPLAYING THE RETAILER'S IDENTITY/IMAGE SELECTED BY RETAILER (URL-DF1)
DISPLAY FRAME FOR DISPLAYING A PRODUCT ADVERTISEMENT CREATED BY MANUFACTURER AND/OR AGENT THEREOF (URL-DF2), AND SELECTED BY RETAILER
DISPLAY FRAME FOR DISPLAYING A PROMOTIONAL MESSAGE ABOUT THE ADVERTISED PRODUCT, SELECTED BY RETAILER (URL-DF3)
DISPLAY FRAME FOR DISPLAYING THE LOCATION OF THE ADVERTISED PRODUCT IN THE RETAIL STORE OR IN THE RETAILER'S ELECTRONIC STORE, SELECTED BY RETAILER (URL-DF4)

FIG. 3A21A

45/173

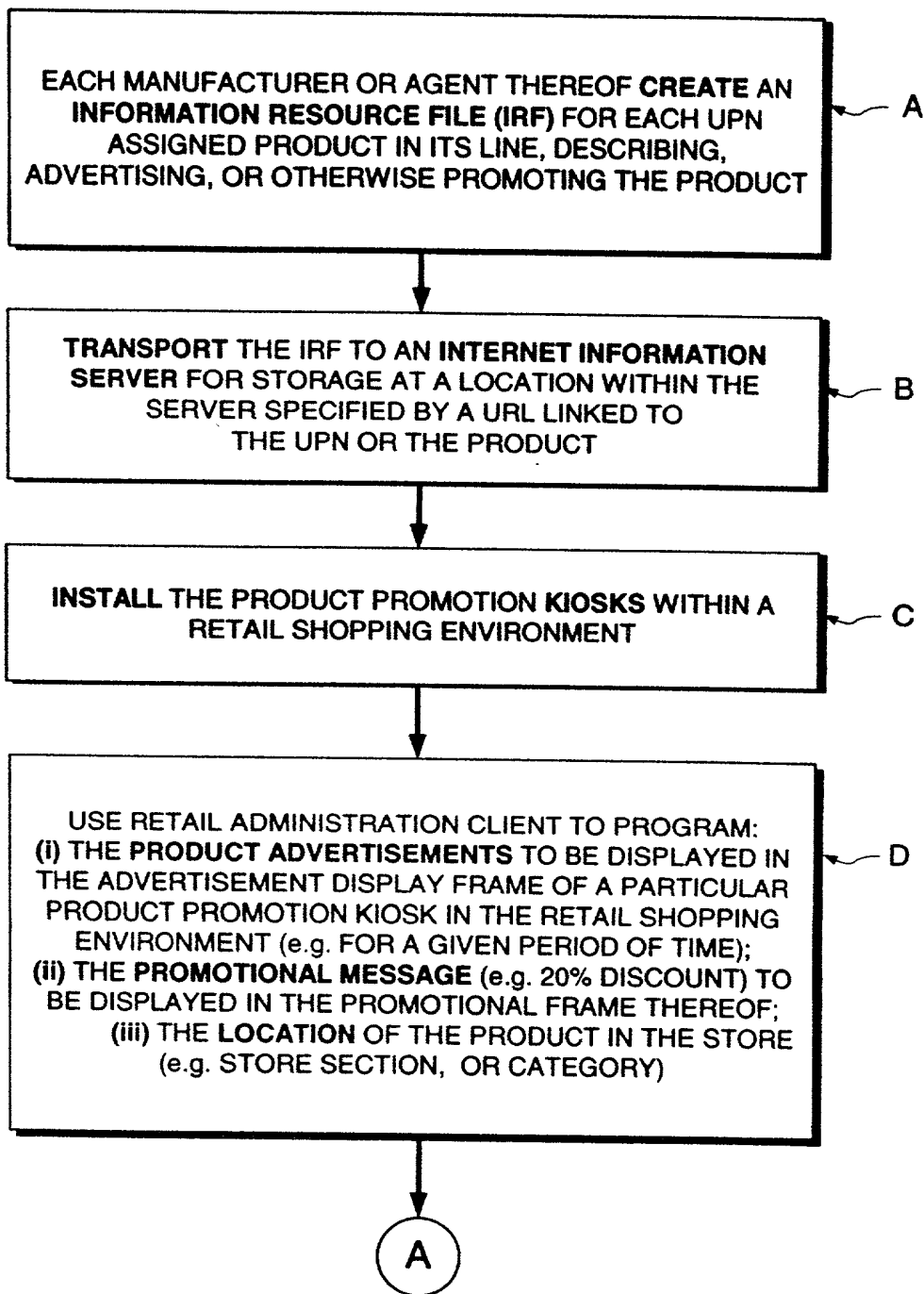


FIG. 3A22A

46/173

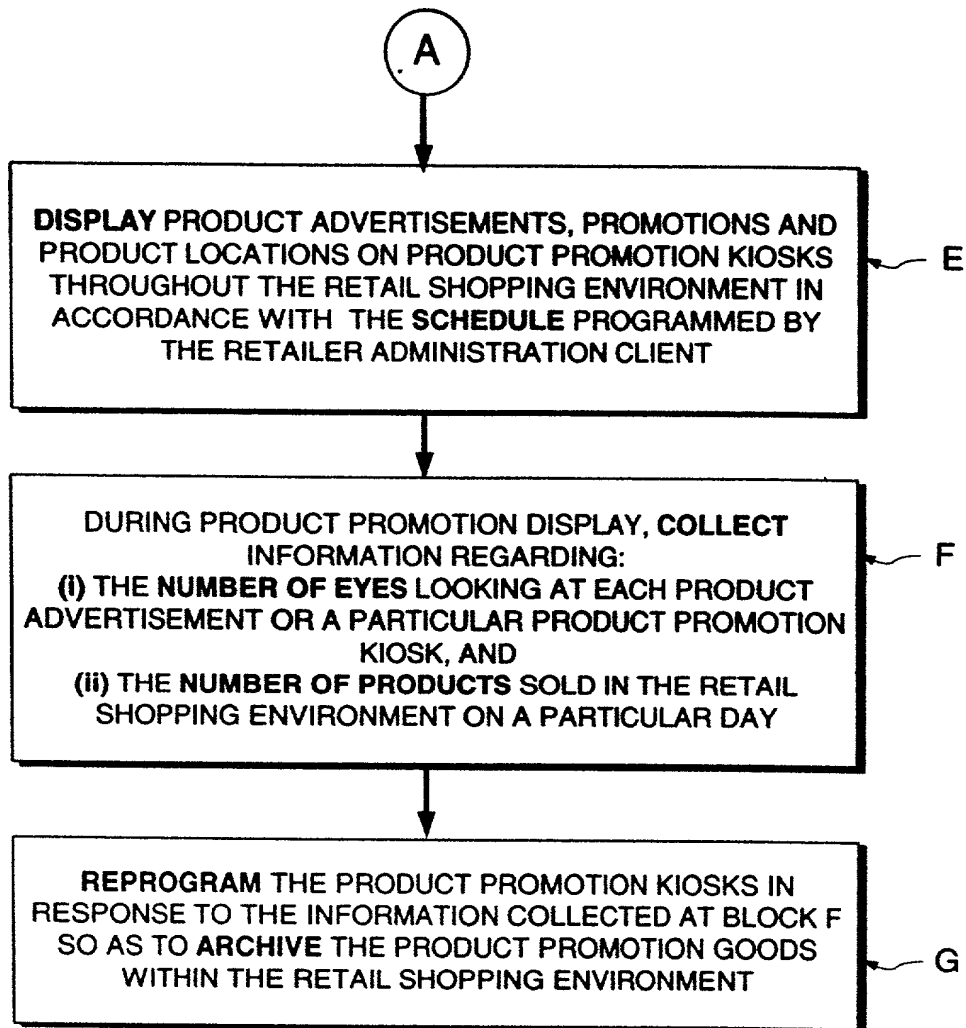


FIG. 3A22B

18/173

UPN (PRODUCT)	TIME/DATE	EYE COUNTS	URL/AD	# OF UPN SOLD ON SAME DATE	# OF UPN SOLD ON 2ND DATE	# OF UPN SOLD ON 3RD DATE	# OF UPN SOLD ON 4TH DATE

FIG. 3A24

REPORT

49/173

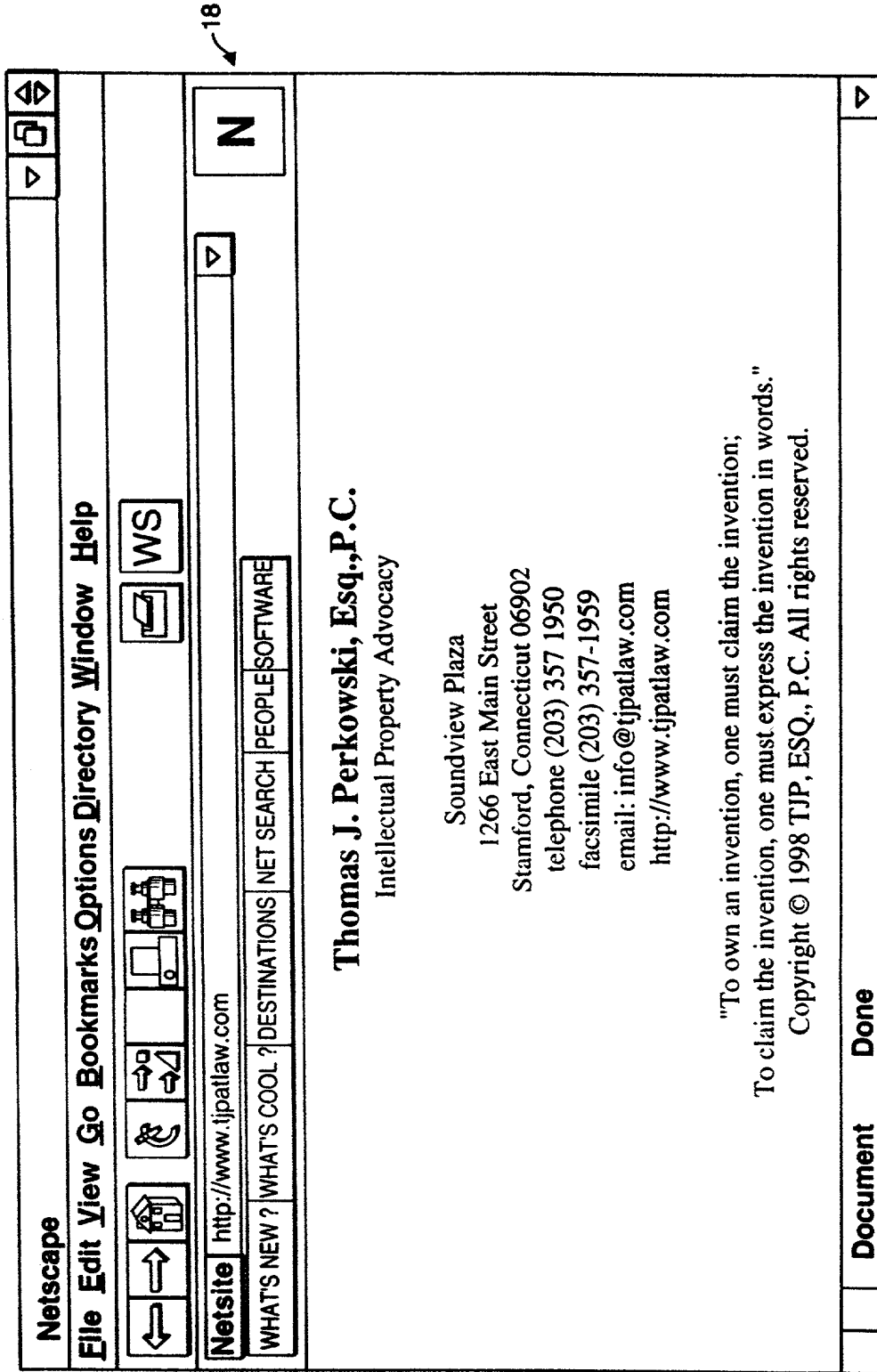
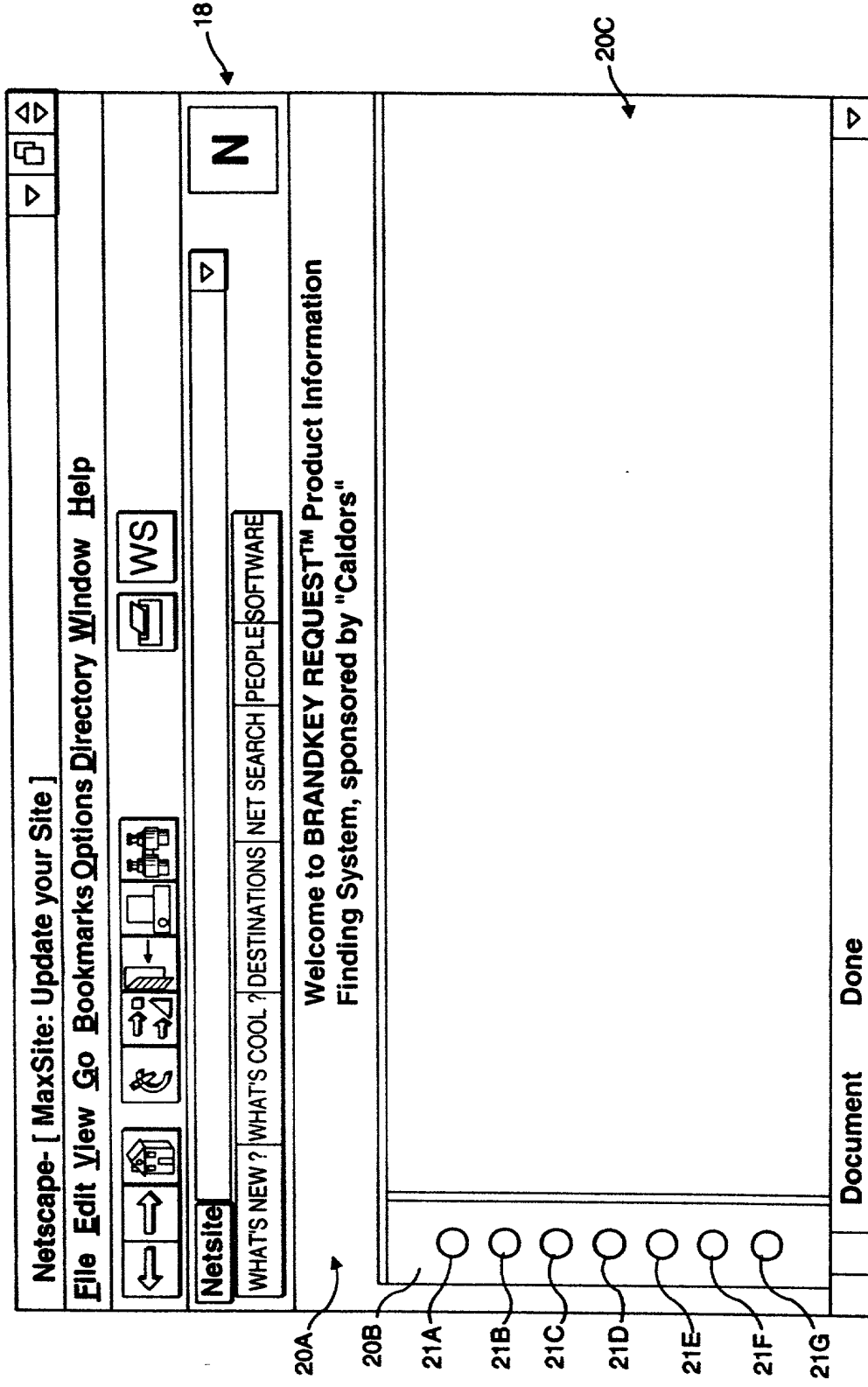


FIG. 3B

50/173



51/173

IP / SN	REGISTRANT'S NAME AND ADDRESS	PRODUCT DESCRIPTION	UNIFORM RESOURCE LOCATOR (URL)	TRADE/ SERVICE MARKS	e-mail ADDRESS	CPIR APPLETS	STATUS
7/18908/17674/ 0	APPLE COMPUTER, INC. CUPERTINO, CA.	POWER MAC 7600/120 COMPUTER	http://www.power.com/pc	POWER MAC			
0/373/100/6	PROCTOR & GAMBLE	TOOTH PASTE	http://www.tooth.com/pc	CREST			
3/12547/68404/ 0	WARNER WELCOME	ACID REDUCER	http://www.zantac.com/pc	ZANTAC ZANTAC 75			
0/00005/17643/ 4	KODAK, INC.	FILM PROCESSING	http://www.kodak.com/pc	KODAK			
0/27242/51057/ 9	SONY, INC.	PERSONAL COMPUTER	http://www.sony.com/pc	SONY			
• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •

FIG. 4A1

CONSUMER PRODUCT INFO. REQUEST,
CPIR-ENABLING APPLLET LIBRARY

URL _i	PRODUCT SPECIFICATION INFORMATION FIELD	PRODUCT UPDATE INFORMATION FIELD	PRODUCT WARRANTY / SERVING INFORMATION FIELD	PRODUCT INCENTIVE INFORMATION FIELD	PRODUCT REVIEW INFORMATION FIELD	MISCELLA- NEOUS INFORMATION FIELD	PRODUCT ADVERTI- SEMENT INFORMATION FIELD
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮

FIG. 4A2

53/173

I P / S N	REGISTRANT'S NAME AND ADDRESS	PRODUCT DESCRIPTION	TRADE/SERVICE MARKS	E-MAIL ADDRESS	STATUS
7/05089/37460/7	NETSCAPE COMMUNICATIONS CORP.	INTERNET NAVIGATOR	NETSCAPE, NAVIGATOR		
0/30000/01020/4	QUAKER, INC.	OATMEAL	QUAKER		
0/496/390/1	COLA COLA, INC.	COCA SODA	COCA - COLA, COKE		
0/7599/24245/2	WARNER BROS.	PAT METHANY AUDIO CD	GEFFEN		
• • •	• • •	• • •	• • •	• • •	• • •

FIG. 4B

Manufacturer
Company Name
Street Address
City
State
Postal Code
Country
Manufacturer ID Number
Contact Person
Phone Number
E-Mail
Domain Name
Website Creation Date
Website Existence
Manufacturer Website URL

FIG. 4C1

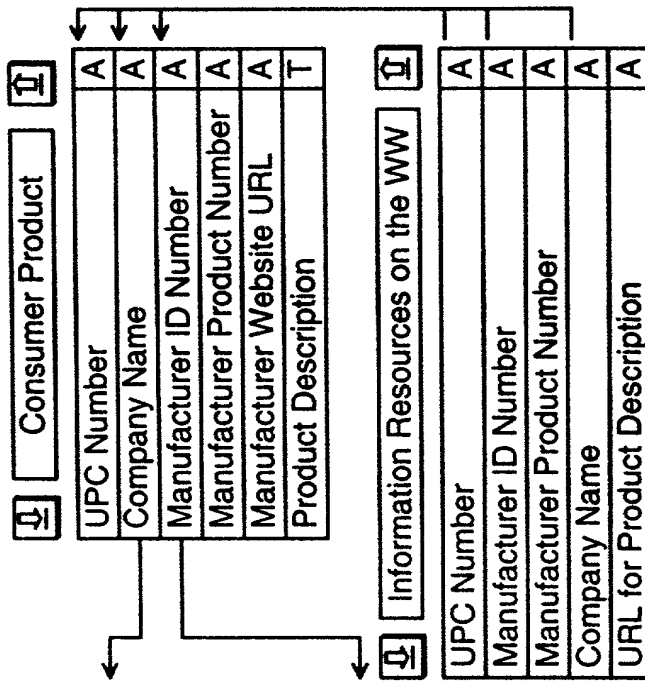


FIG. 4C

Consumer Product
UPC Number
Company Name
Manufacturer ID Number
Manufacturer Product Number
Manufacturer Website URL
Product Description
Primary Trademark
Secondary Trademark
Package Type
UPC Symbol Type
Website Marking on Package
800 Consumer Phone Number

FIG. 4C2

Info. Resources on WWW
UPC Number
Manufacturer ID Number
Manufacturer Product Number
Company Name
URL For Product Description
URL For Product Manual
URL For Warranty Service
URL For WWW Advertisement
URL For WWW Advertisement
URL For WWW Advertisement
URL For Product Wholesaler
URL For Product Wholesaler
URL For Product Wholesaler
URL For Product Retailer No.1
URL For Product Retailer No.2
URL For Product Retailer No.3
URL For Direct Product Purchase
URL For Complementary Product
URL For Complementary Product
URL For Complementary Product
URL For Company Annual Report
URL For Company Stock Purchase

FIG. 4C3

56/173

RETAILER
Company Name
Street Address
City
State
Postal Code
Country
Manufacturer ID Number
Contact Person
Phone Number
E-Mail
Domain Name
Website Creation Date
Website Existence
Manufacturer Website URL
Manufacturer No. 1
Manufacturer No. 2
Manufacturer No. 3
Manufacturer No. 4
Manufacturer No. 5
Manufacturer No. 6
Manufacturer No. 7
Manufacturer No. 8
Manufacturer No. 9
Manufacturer No. 10
⋮
Manufacturer No. N

FIG. 4D

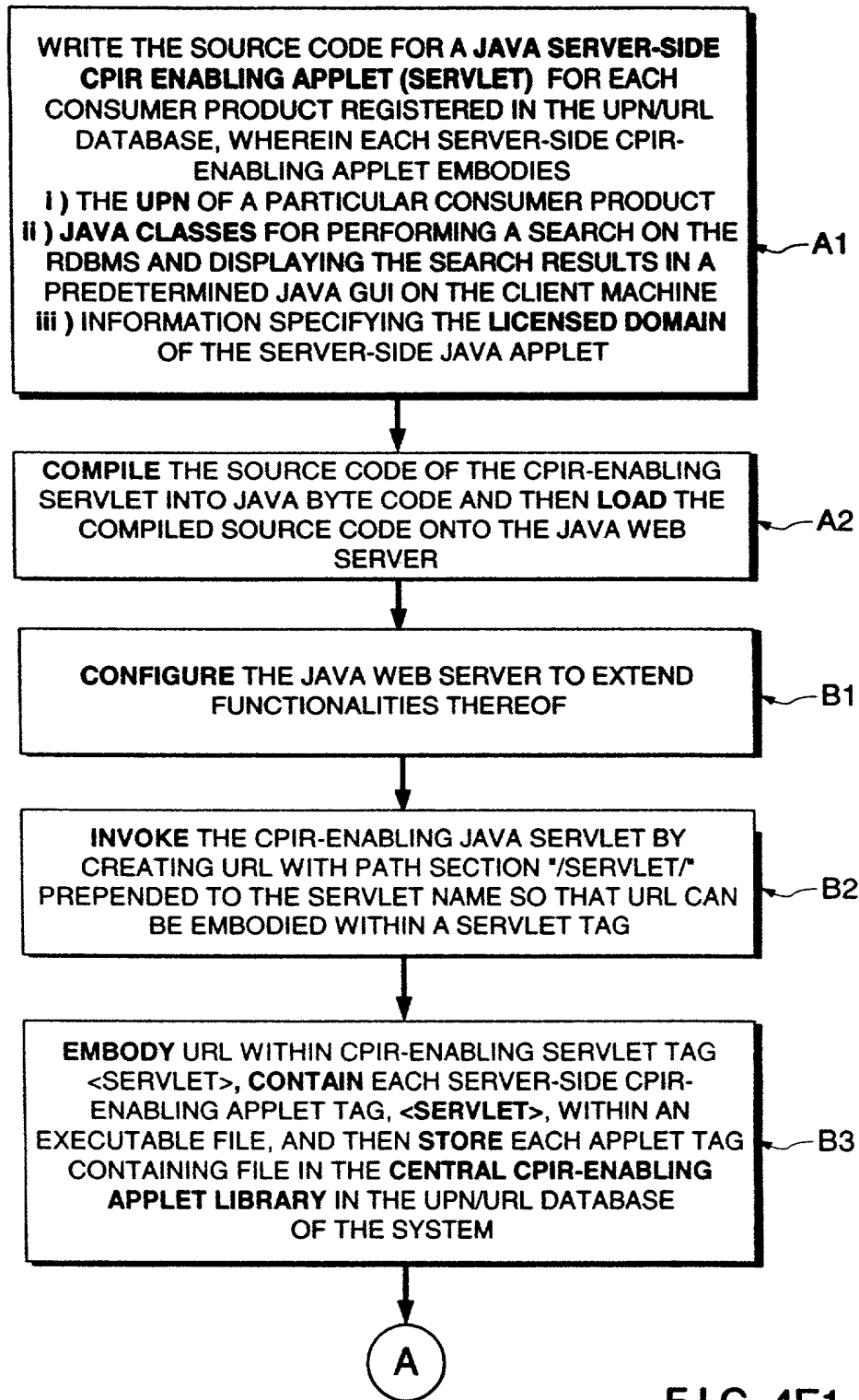


FIG. 4E1

59/173

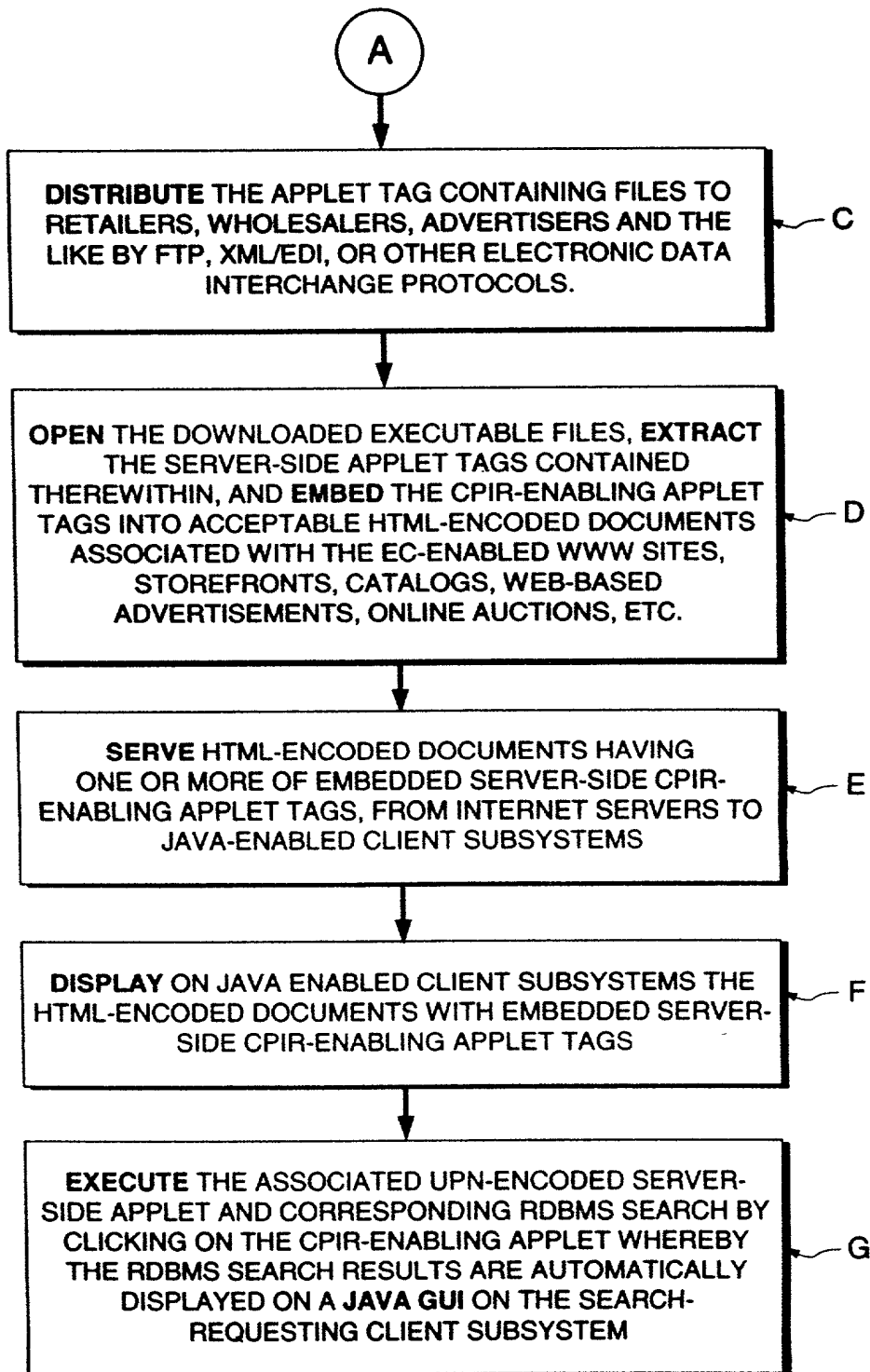


FIG. 4E2

59/173

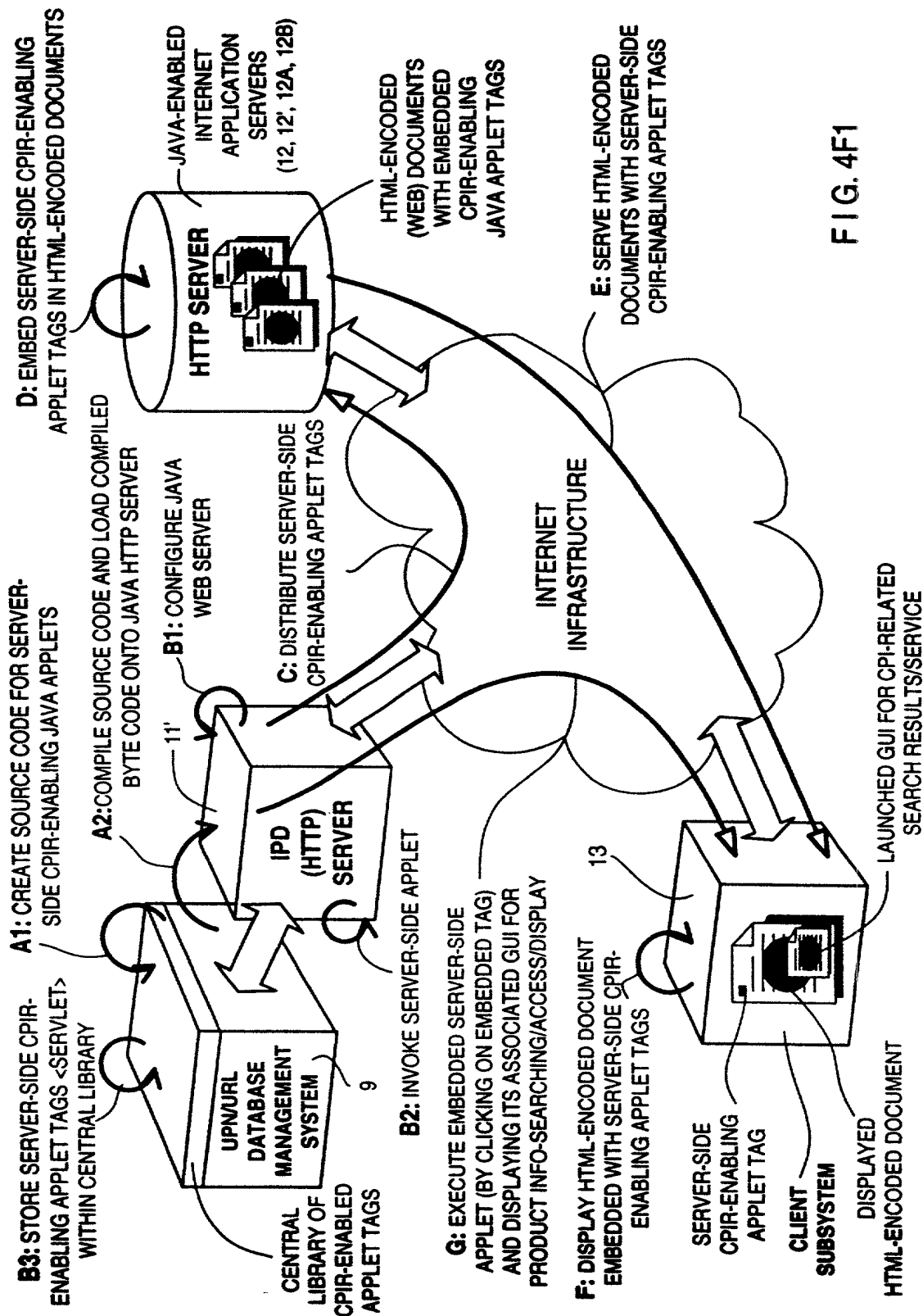


FIG. 4F1

60/113

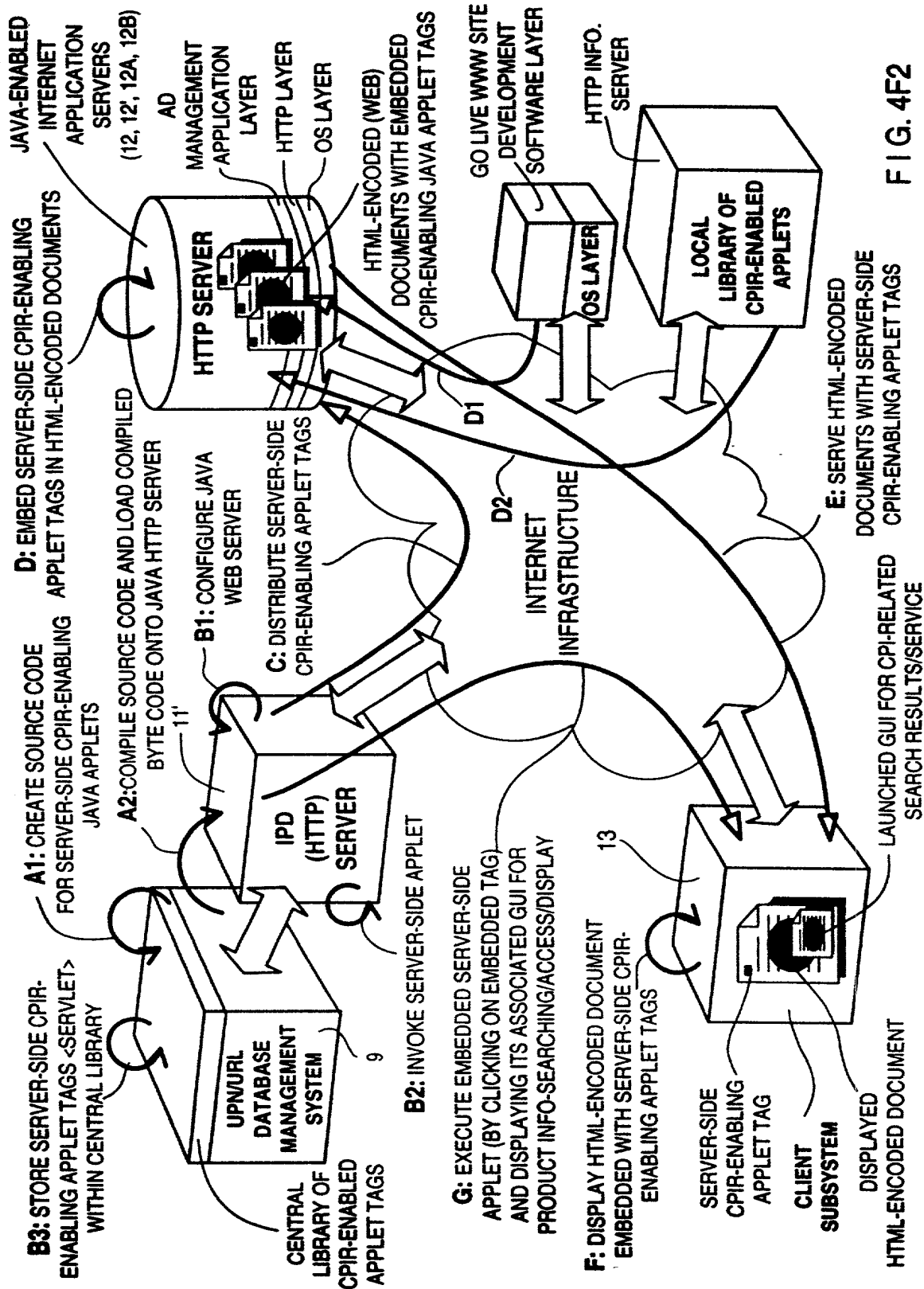


FIG. 4F2

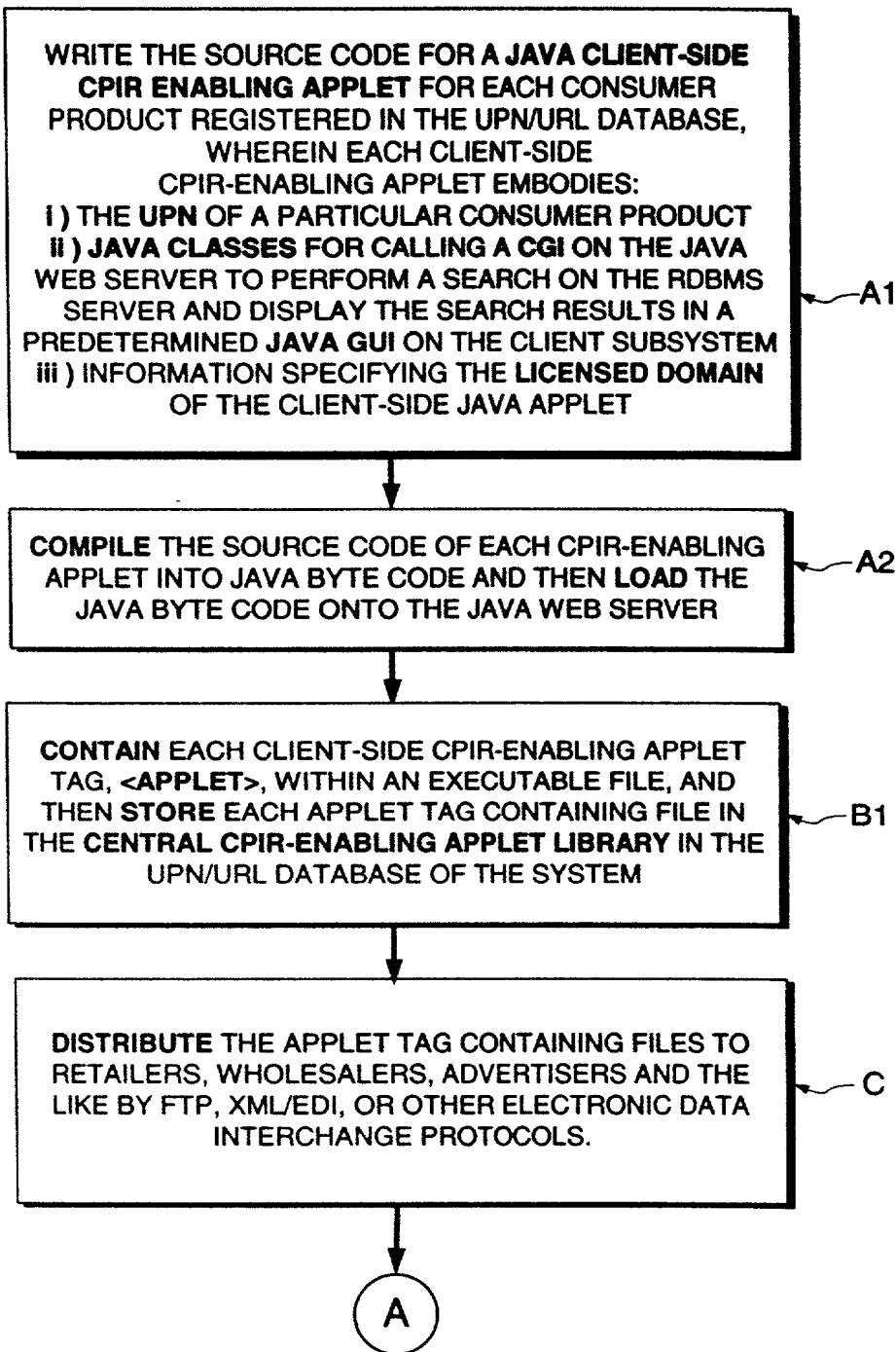


FIG. 4G1

62/173

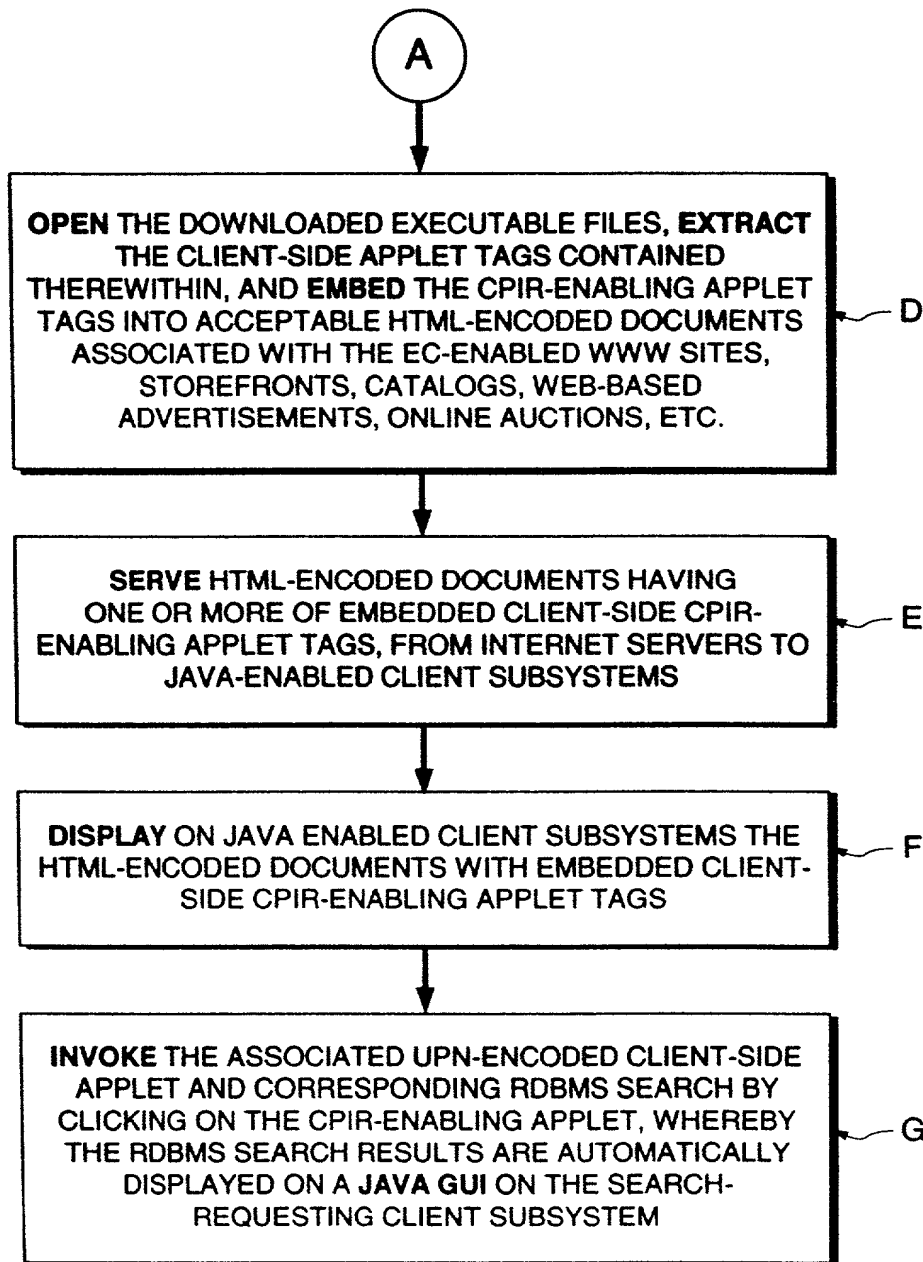


FIG. 4G2

63/173

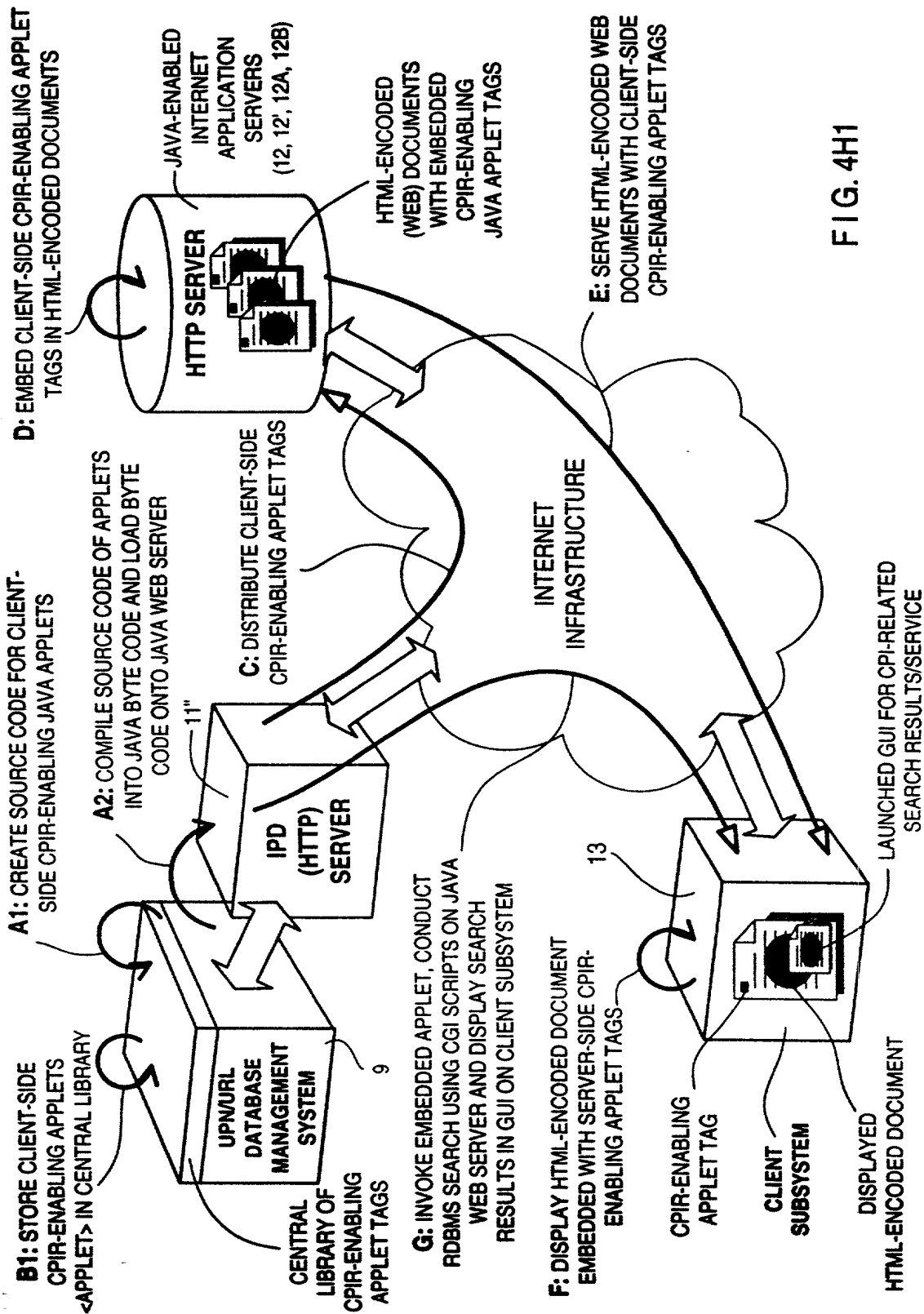


FIG. 4H1

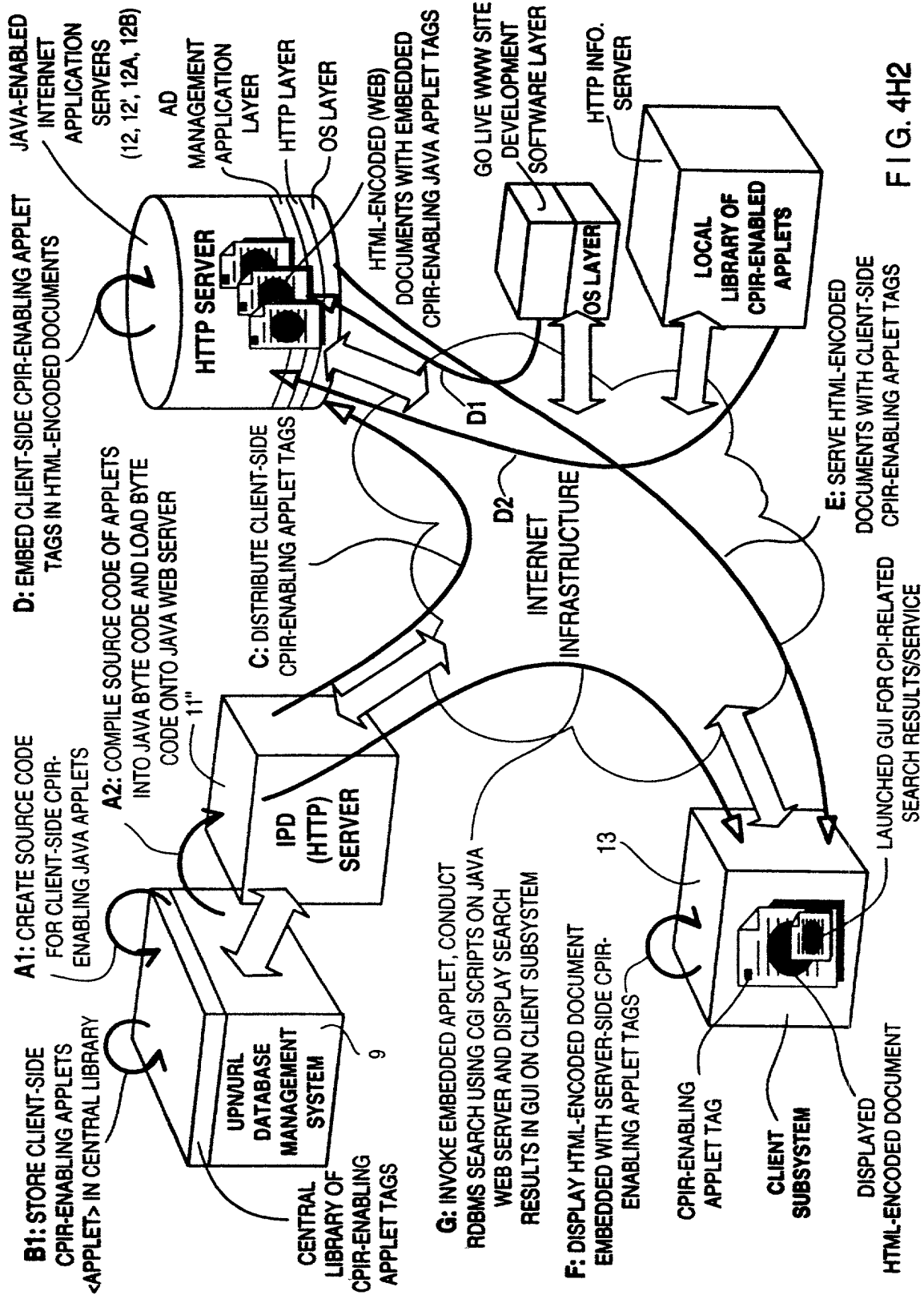


FIG. 4H2

65/193

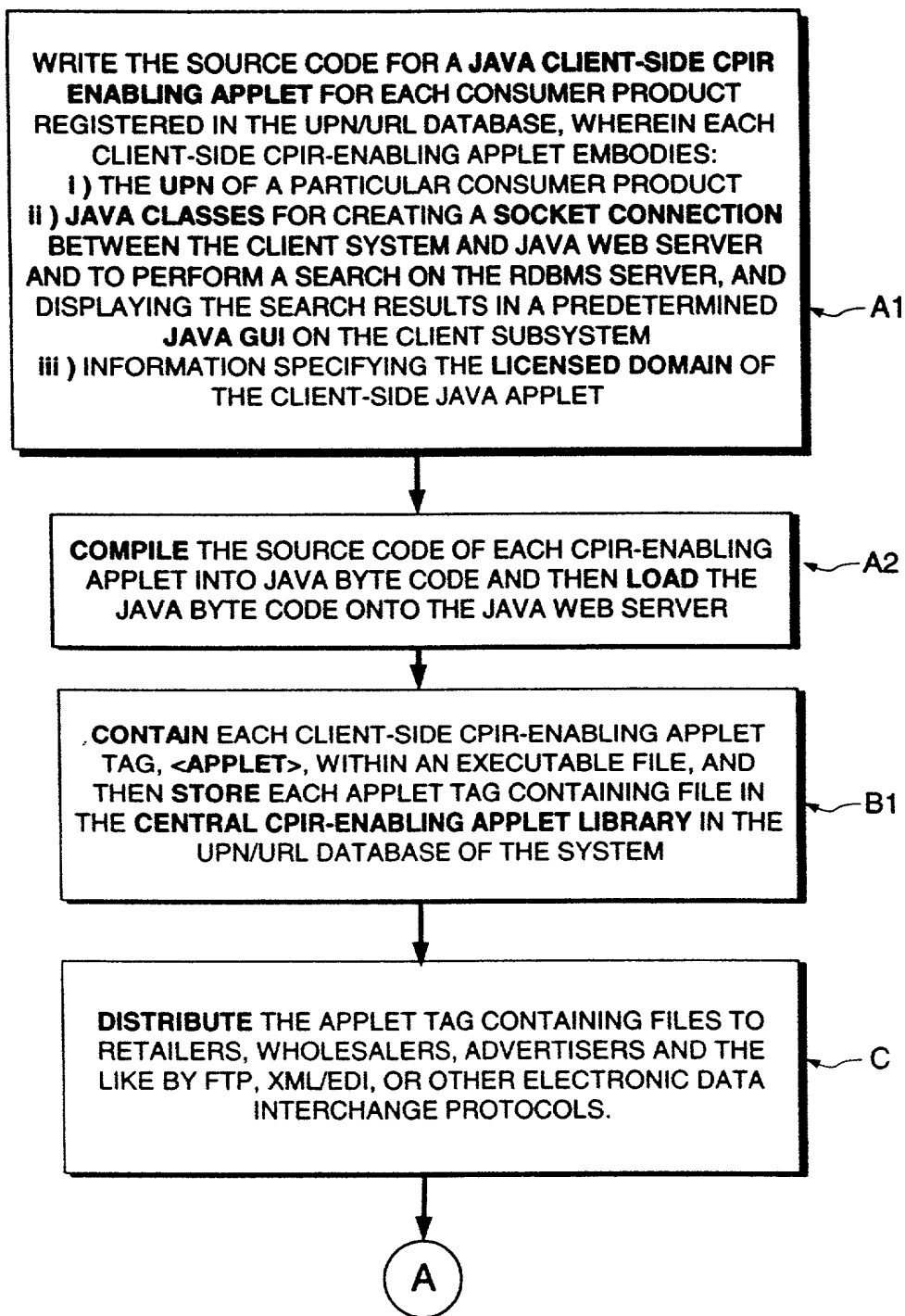


FIG. 411

66/173

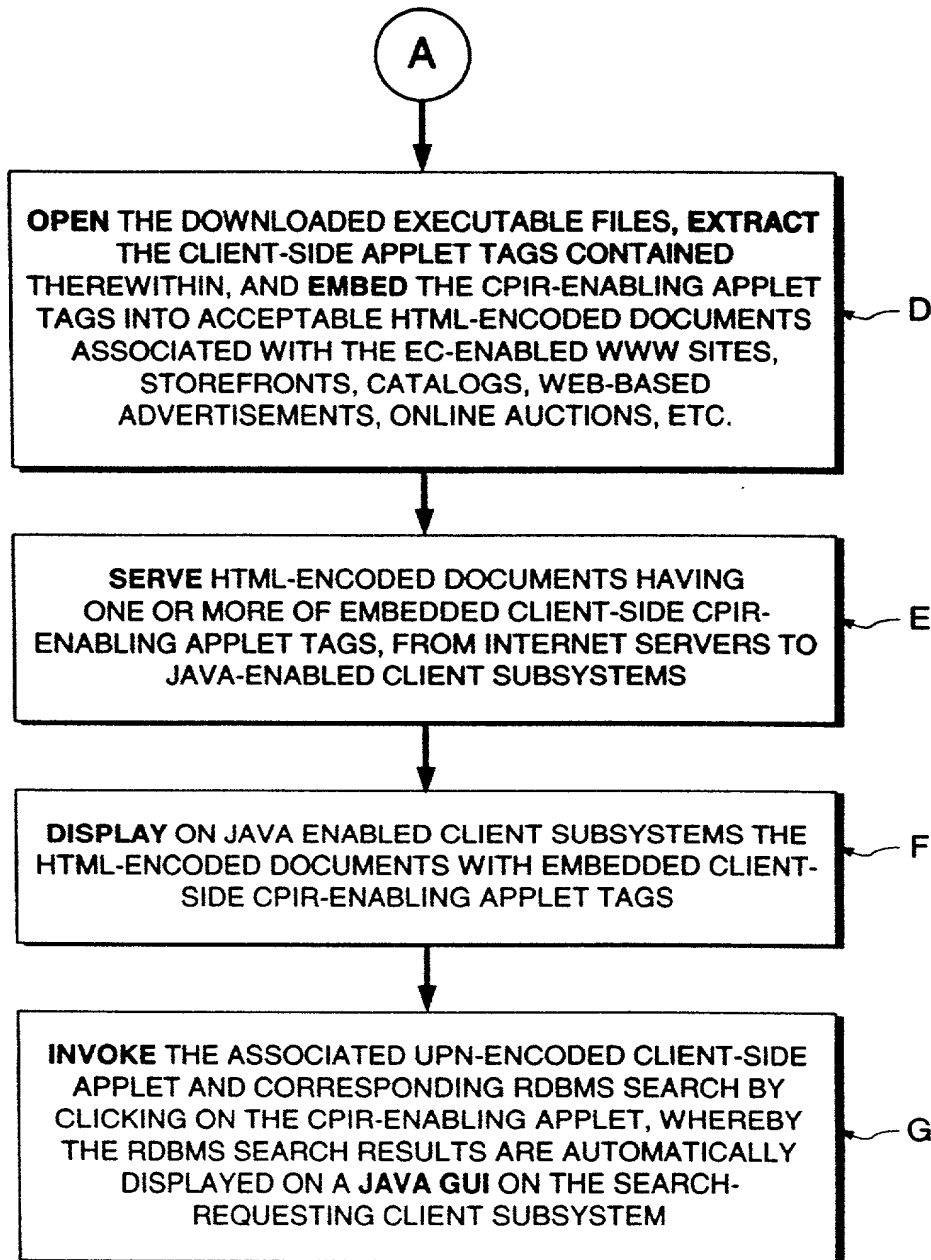


FIG. 412

67/173

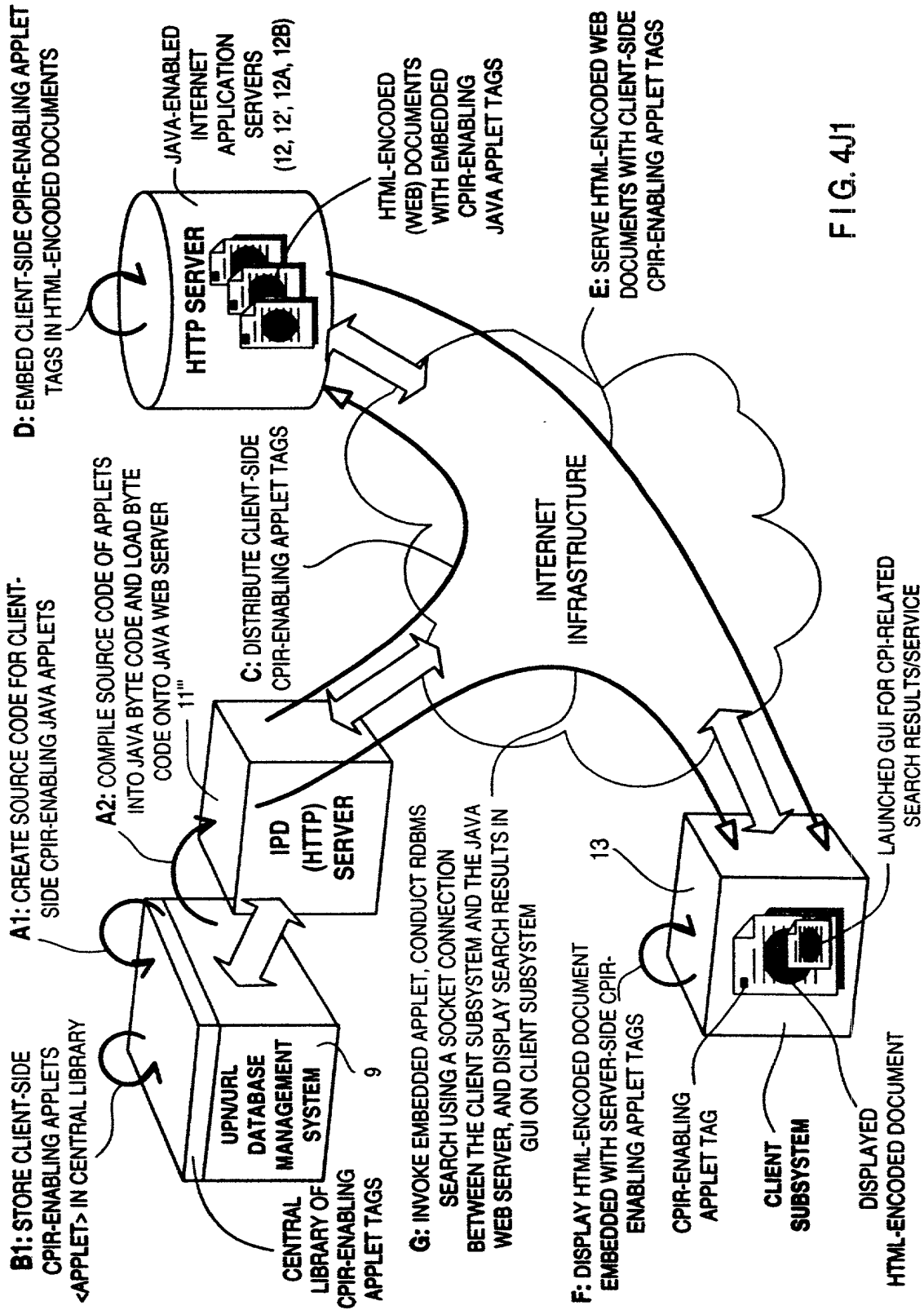


FIG. 4J1

60/173

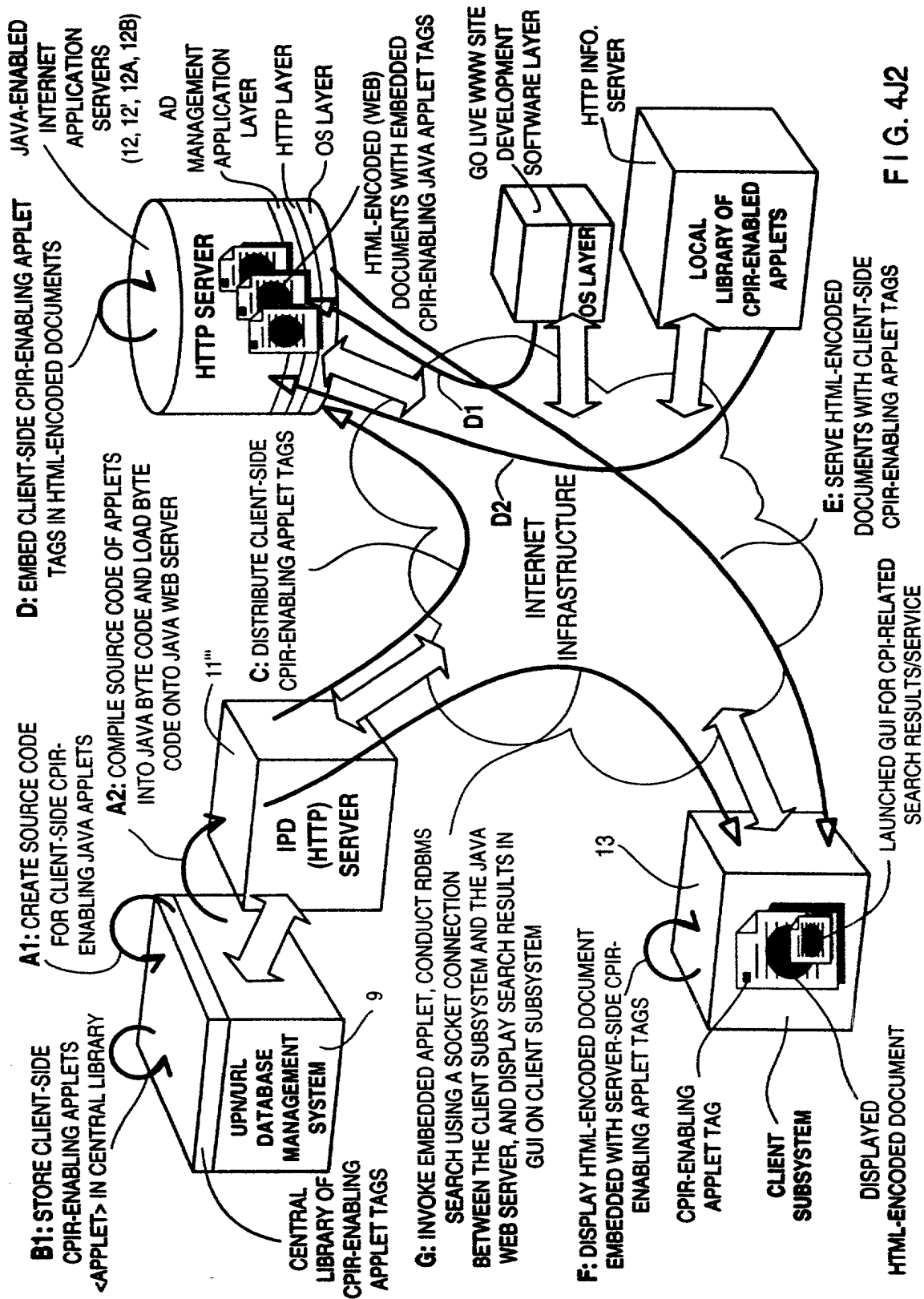


FIG. 4J2

69/173

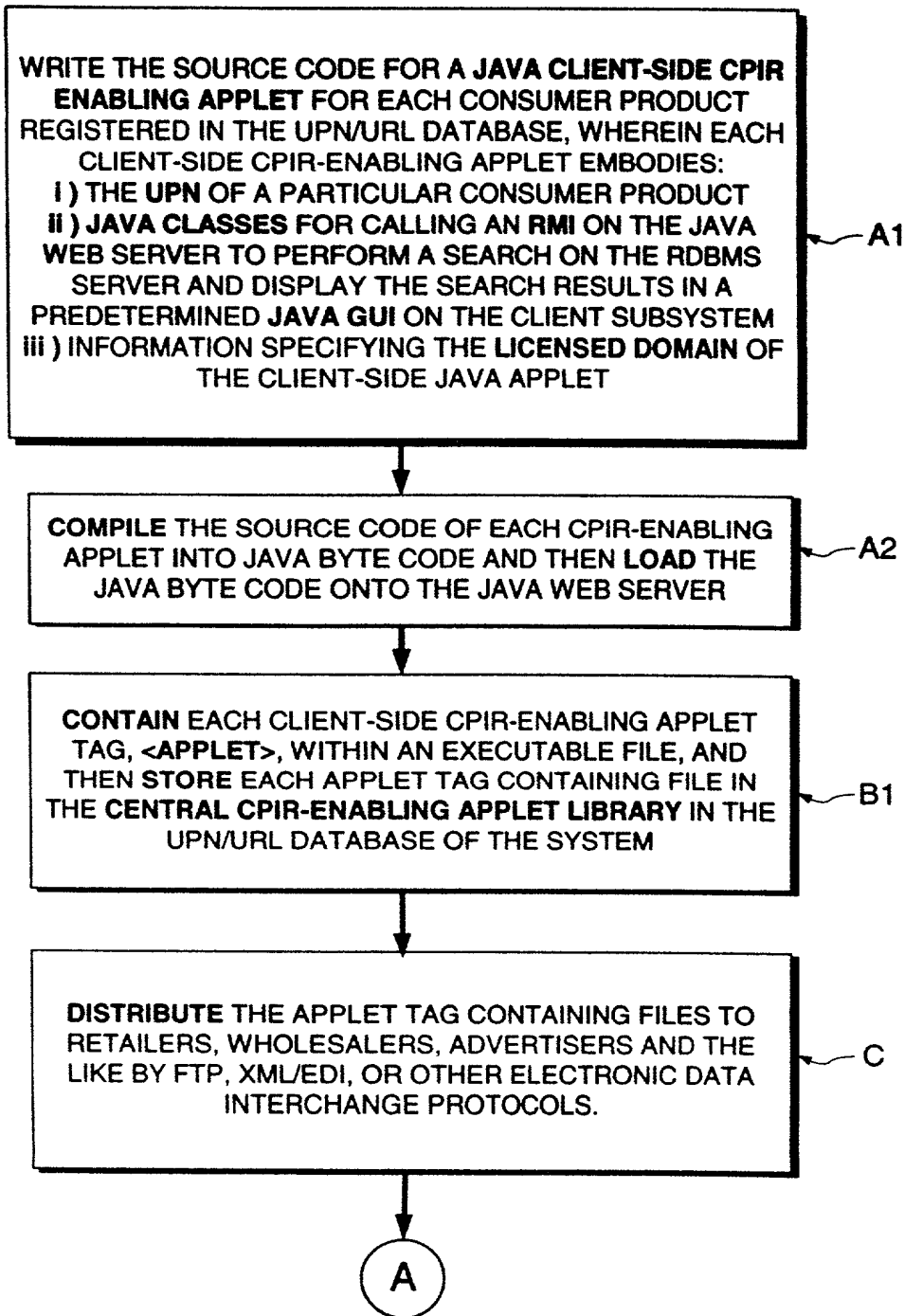


FIG. 4K1

70/193

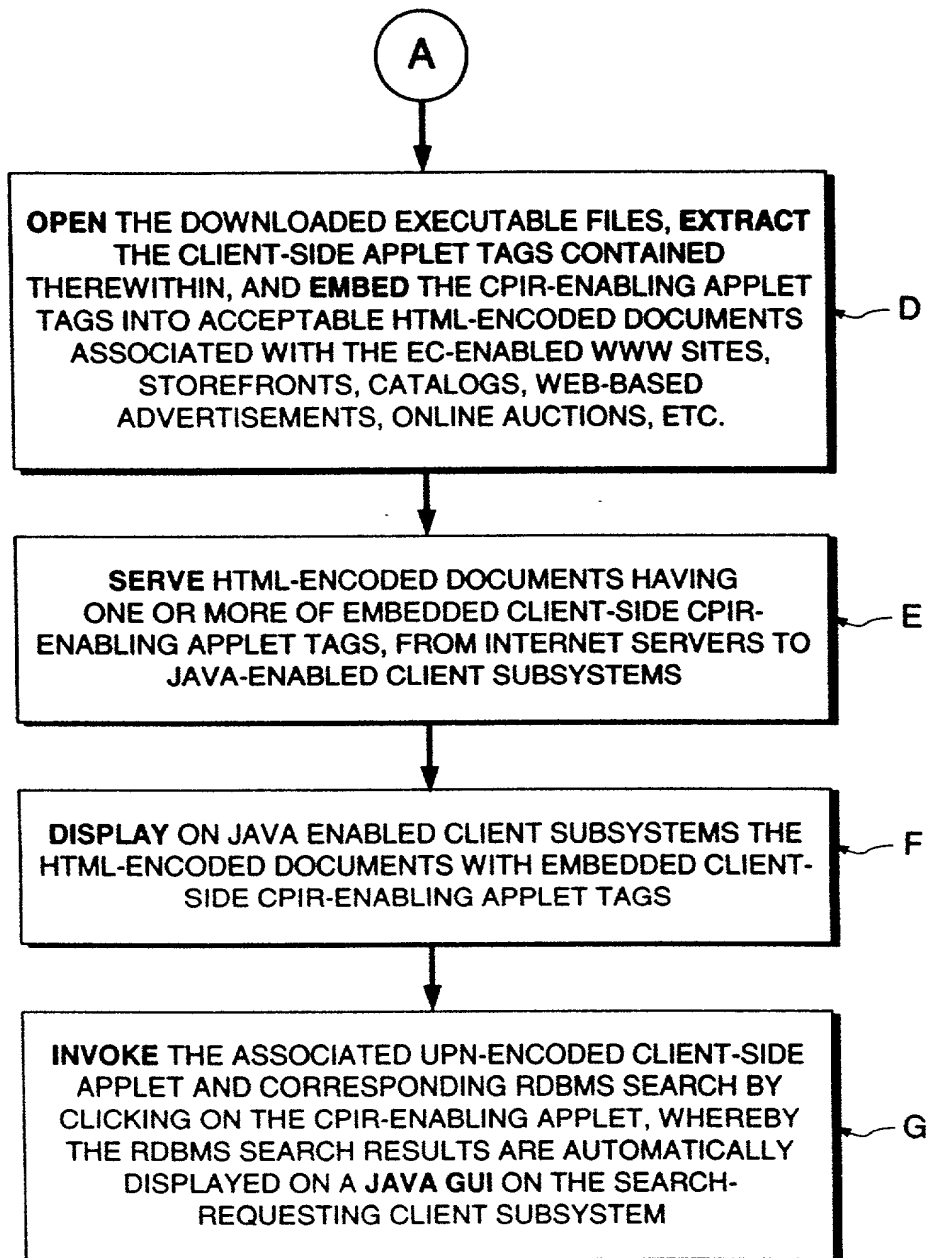


FIG. 4K2

71/193

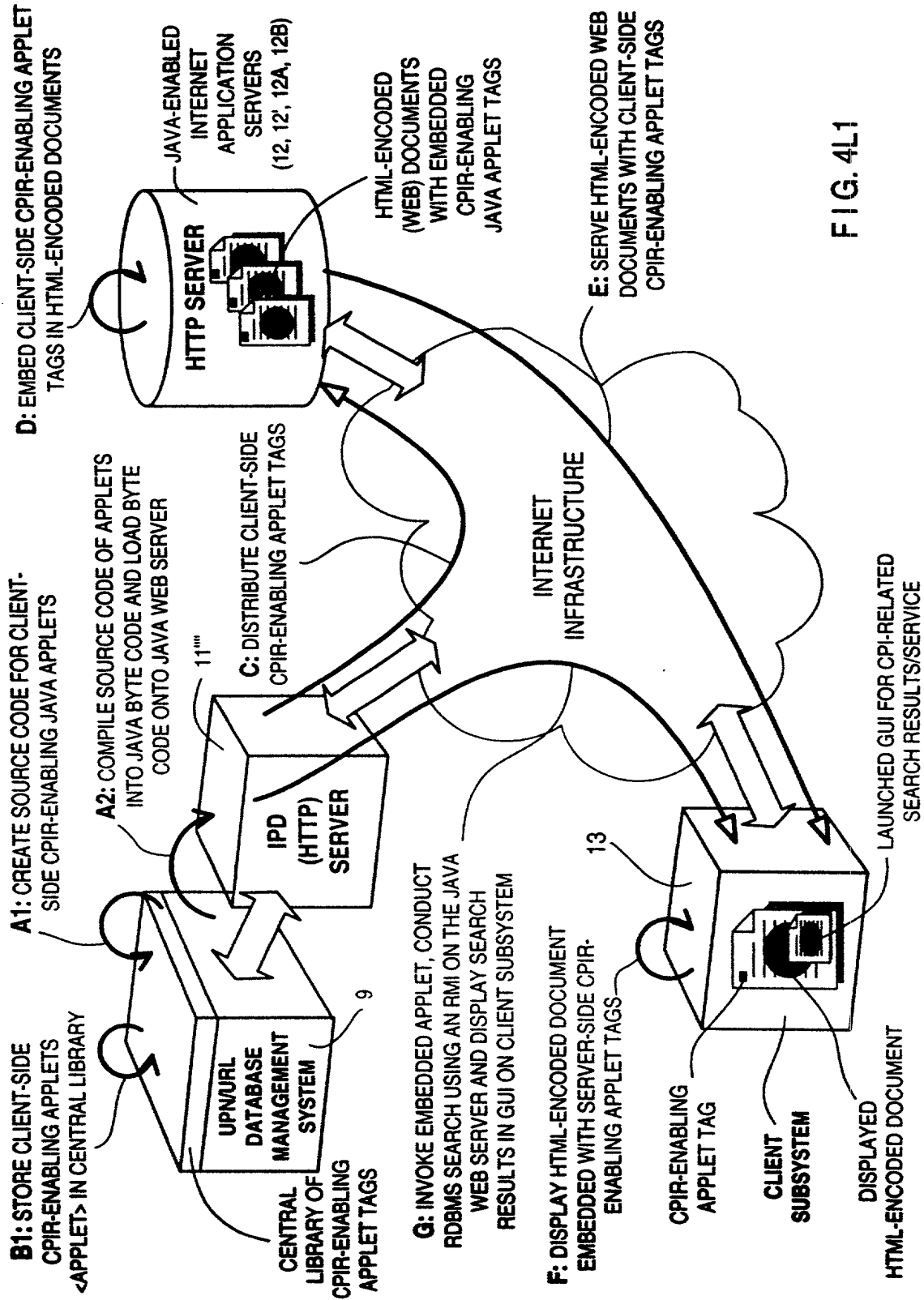


FIG. 4L1

72/193

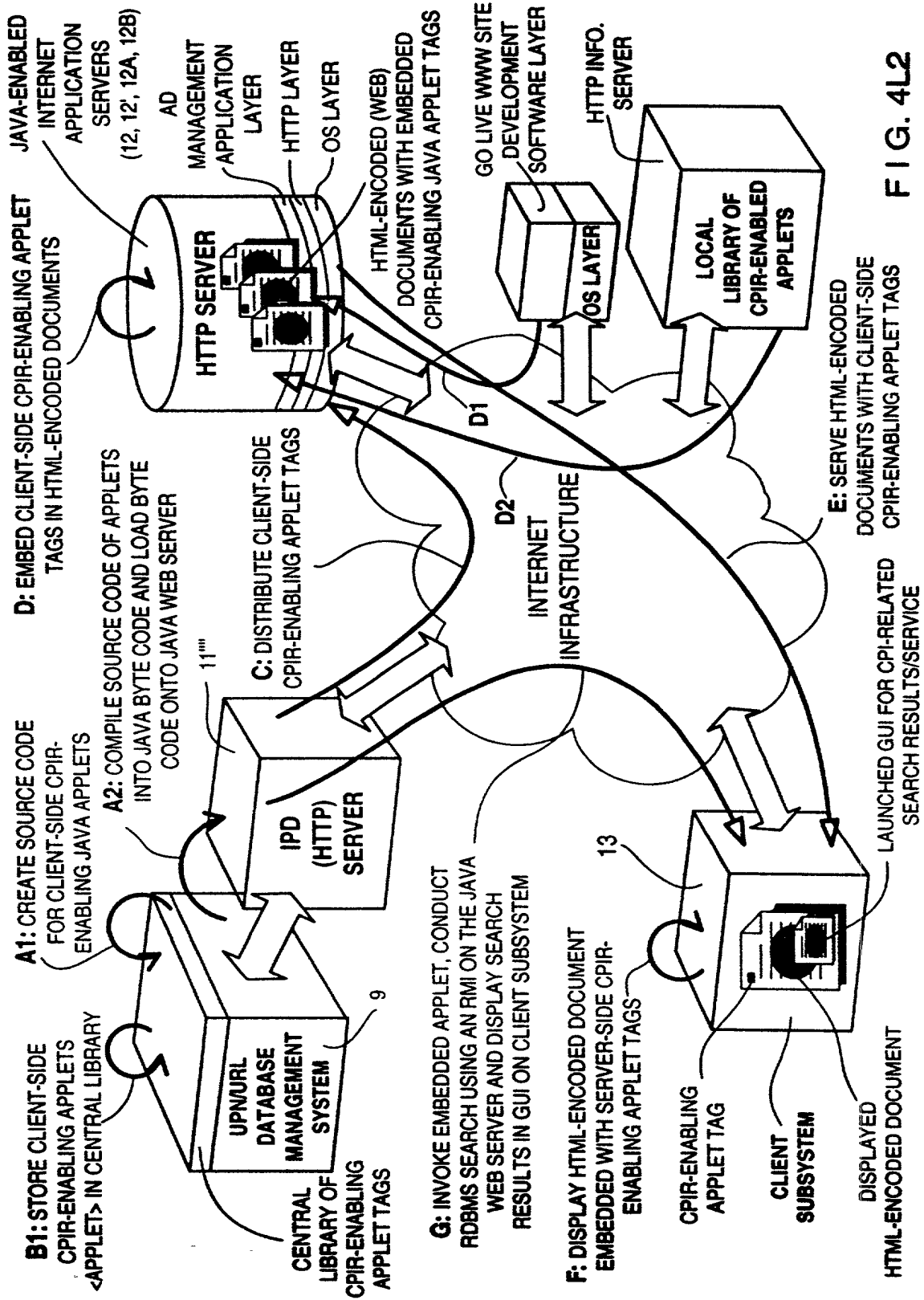


FIG. 4L2

13/173

Yahoo! Netscape

2

Forward Back Home Stop Location

BRANDKEY REQUEST™ CONSUMER PRODUCT INFORMATION SERVER

CENTRAL LIBRARY OF CPiR-ENABLING APPLETS

UPC No.	Trademark	Manufacturer No.	Download
0000000000	Power Mac Computer	0000000000	Click Here to Download
1111111111	Sony	11111111111111	
2222222222	J. Crew	22222222222222	

BrandKey Request™

Trademark™

Home-Page™

Product Description™

Brandlink™

Send-It-Home™

FIG. 4M1

74/173

BOX

File

Vendor # 124154612049

Product BLASSPORT

Vendor # 124154612049

Product BLASSPORT

Blasport by Bill Blas. 100% spun silk, mock turtleneck in colors to match our plum blazer. Soft fine-gauge rib knit, fully fashioned. Hand Wash. Imported. Available in 8 colors.

100

FIG. 4M2

75/173

Yahoo! Netscape

2

MY - ? - GO

PERSONALITY What's New Check Email

Yahoo! Mail
free email for life

BRANDY ALMOST IN CEMENT
Punch Information Search

Click your
advanced search domain free

Yahoo! Shopping - Computers, Videos, DVDs, CDs, Toys, Electronics and more

Shopping - Auctions - Yellow Pages - People Search - Maps - Travel - Classifieds - Personals - Games - Chat - Clubs
Mail - Calendar - Messenger - Companion - My Yahoo! - News - Sports - Weather - TV - Stock Quotes - more...

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<u>Computers & Internet</u> Internet WWW, Software, Games...	<u>Reference</u> Libraries, Dictionaries, Quotations...	
<u>Education</u> College and University, K-12	<u>Regional</u> Countries, Regions, US States...	

FIG. 4N1

76/173

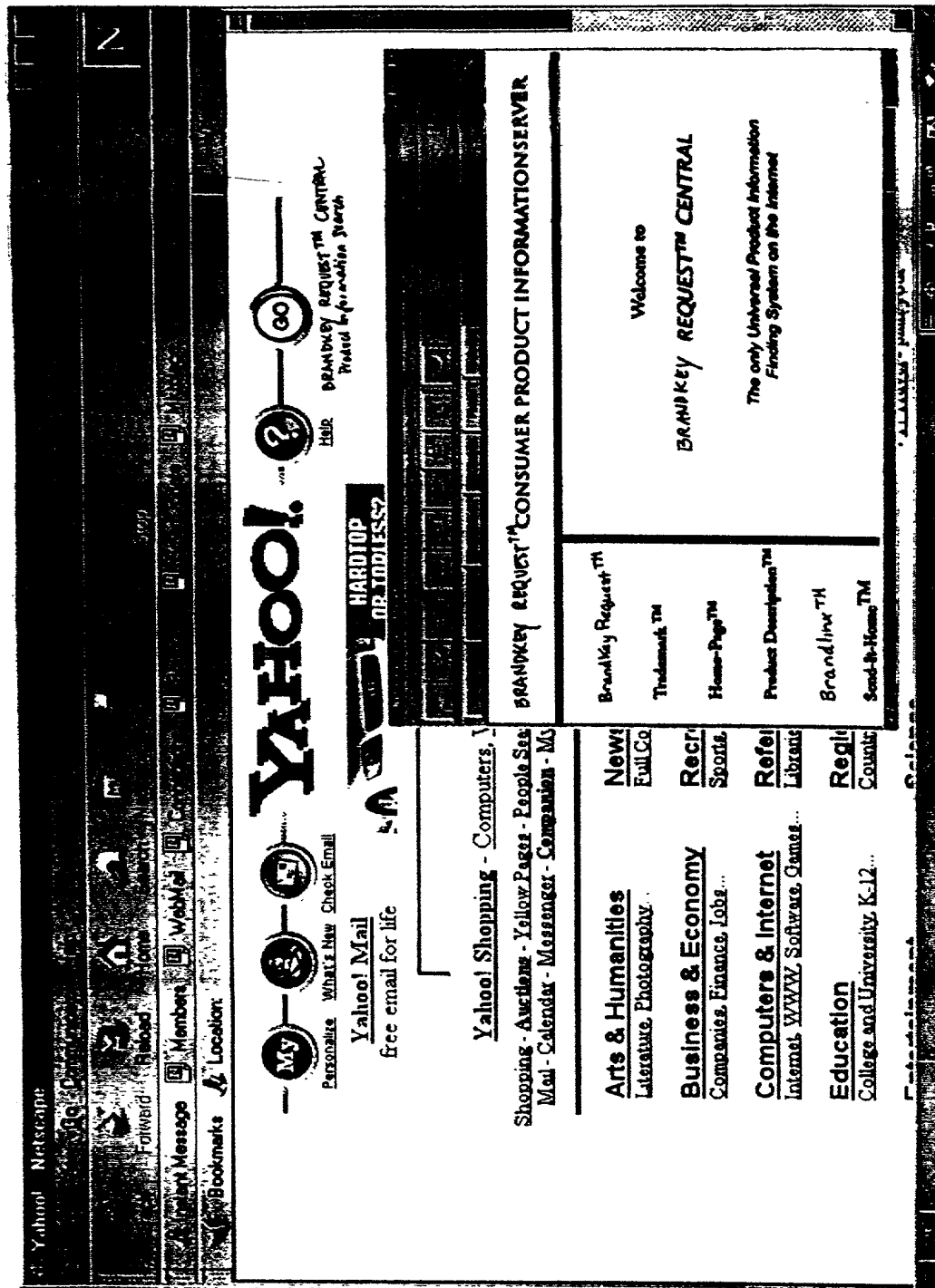


FIG. 4N2

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17/173

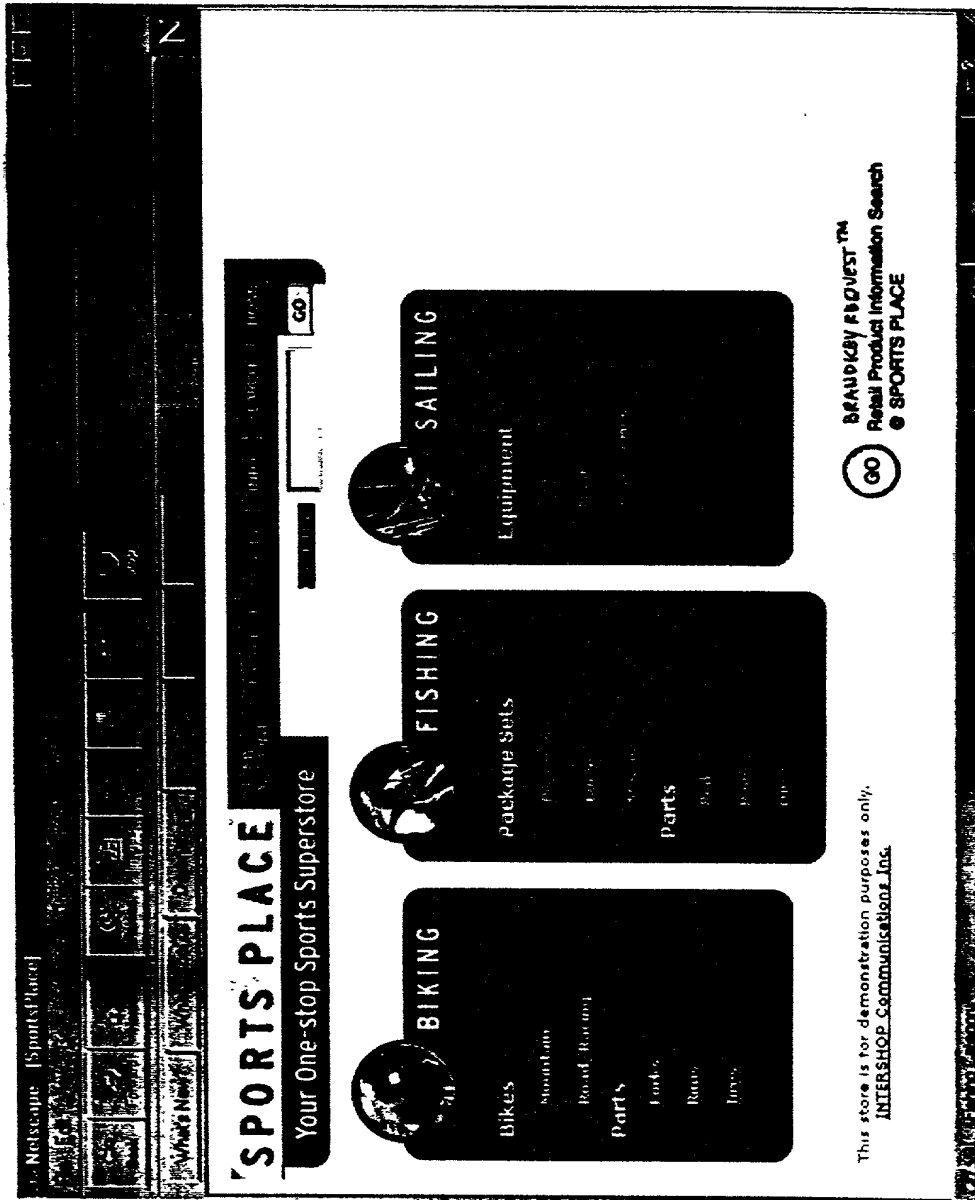


FIG. 401

70/173

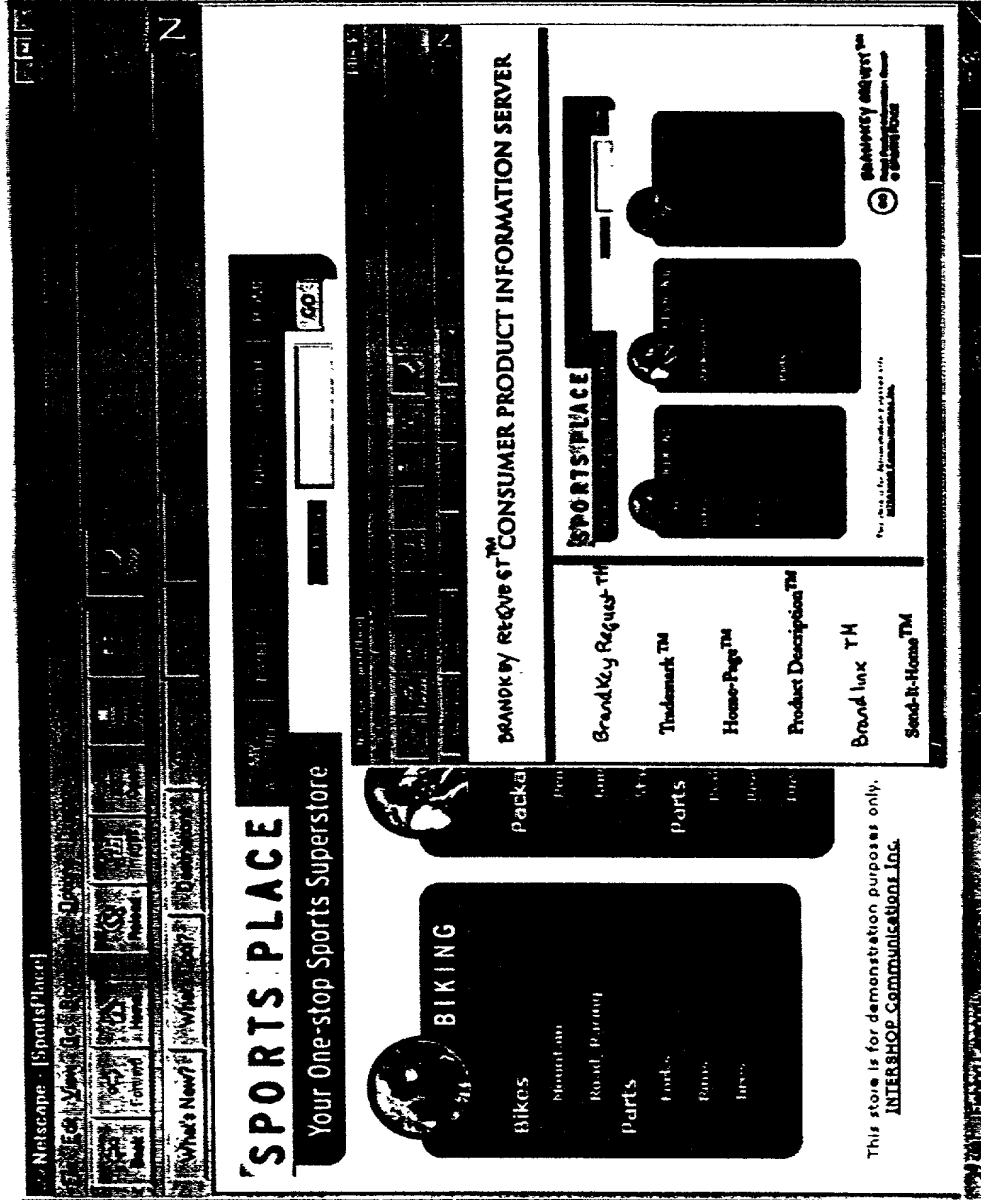


FIG. 402

79/173

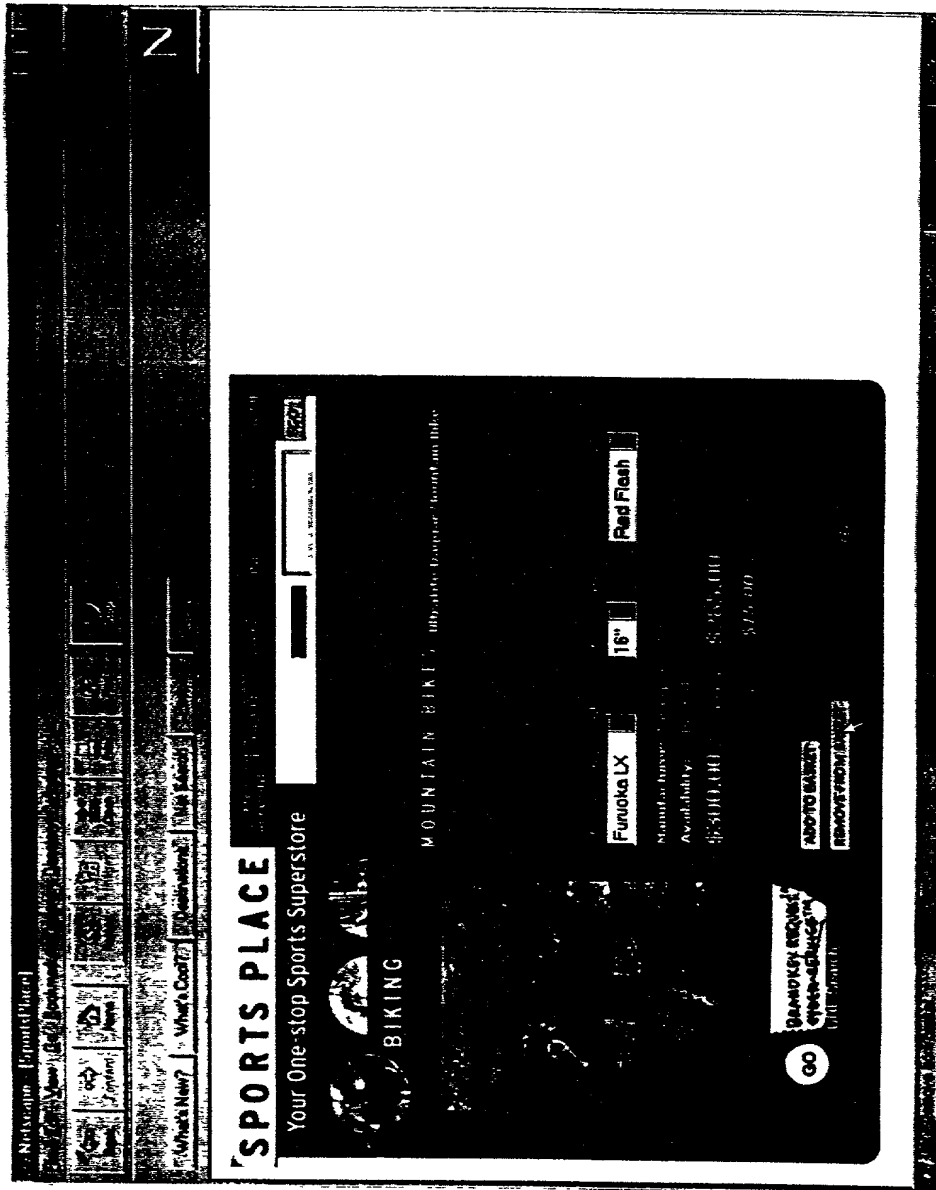


FIG. 4P1

80/173

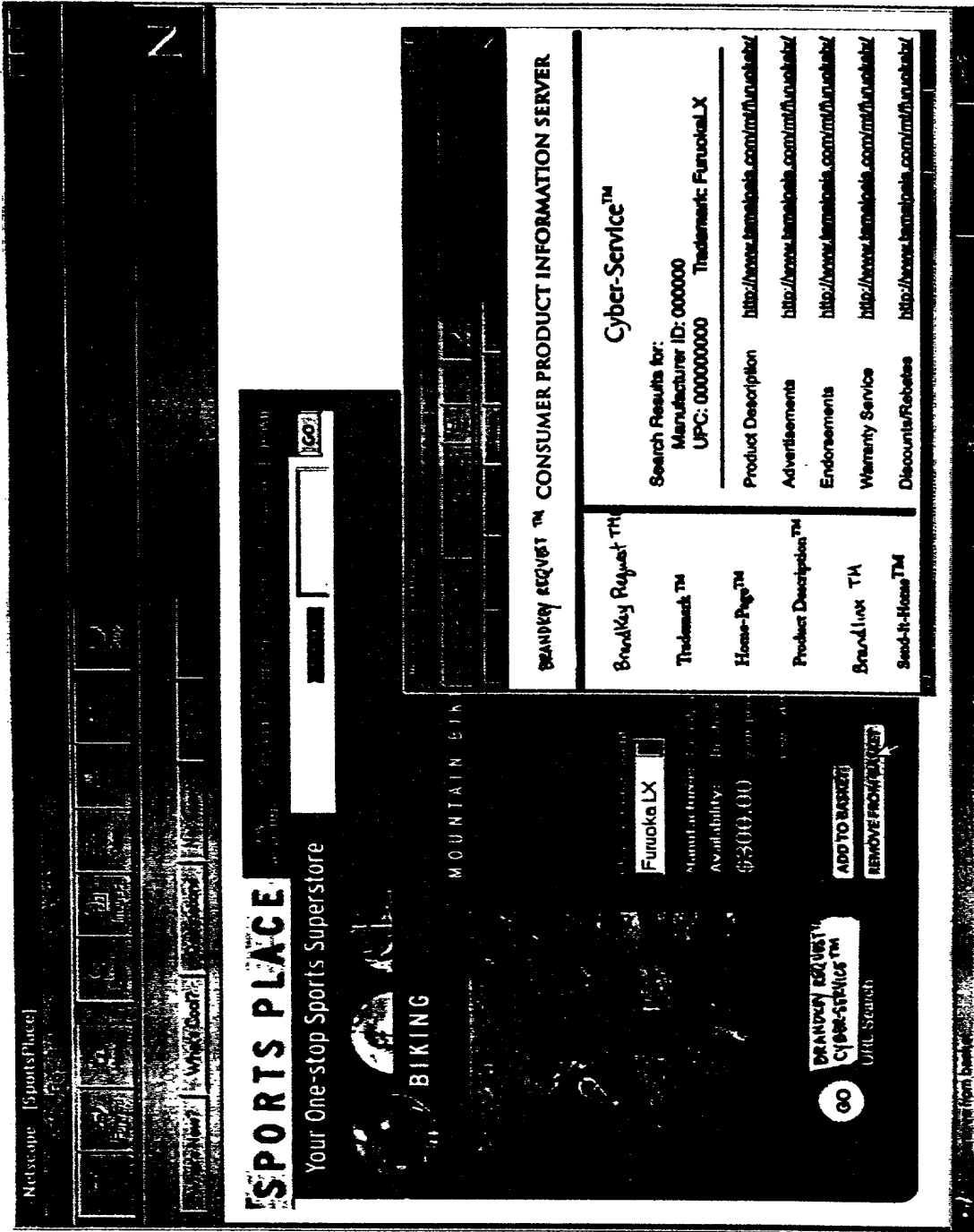


FIG. 4P2

82/173

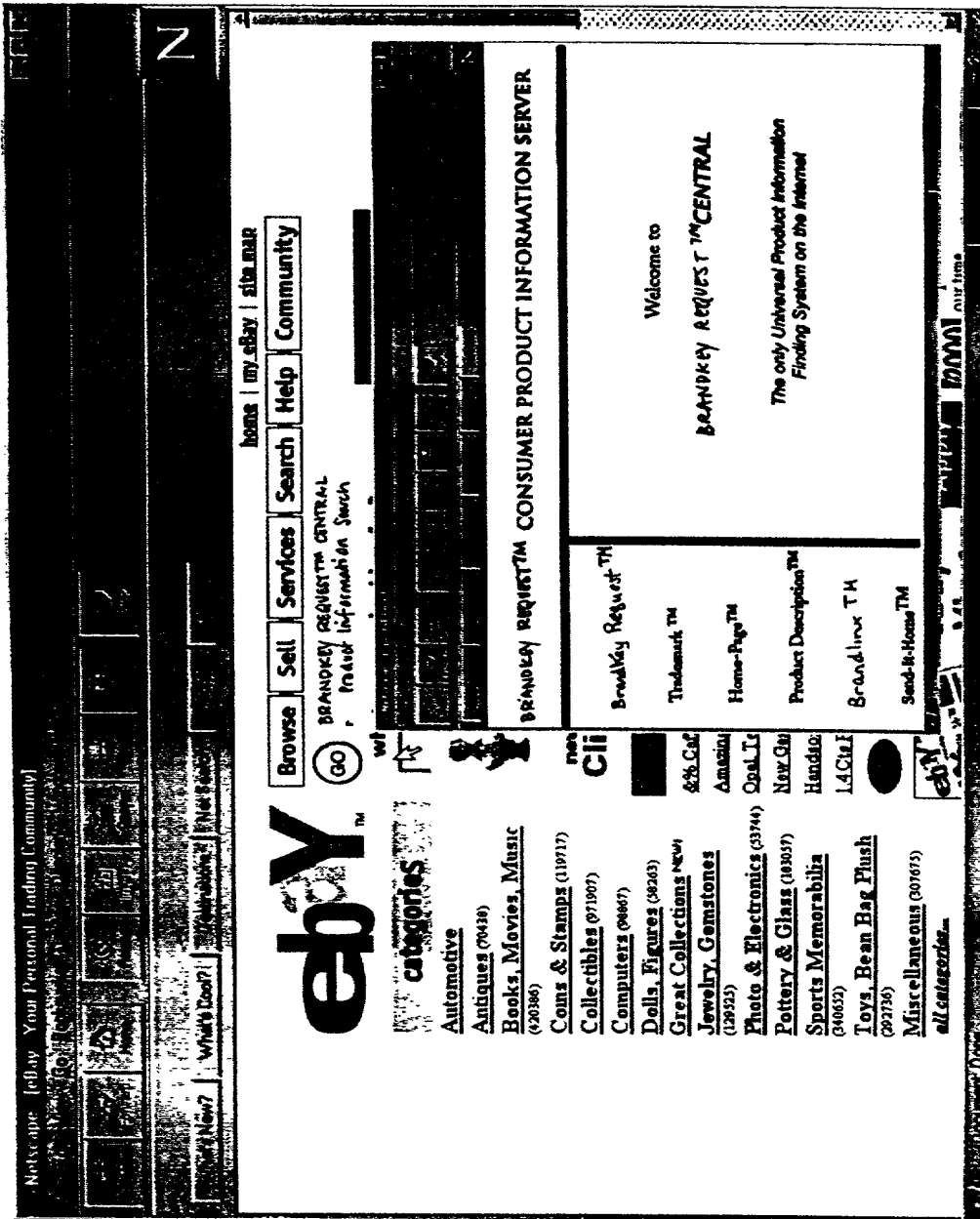


FIG. 4Q2

83/173

NetScape: [Follow item 192020091] [Ends 11/07/99, 21:29:10 PST] [In regular camp M-A-V-A-M-V-E 1024x768]

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Computer Digital Cameras

<p>Currently Quantity Time left Started Ends</p>	<p>\$420.50 (reserve met)</p> <p>1</p> <p>4 days, 7 hours +</p> <p>10/31/99, 21:29:10 PST</p> <p>11/07/99, 21:29:10 PST</p>	<p>First bid # of bids Location EB (mail this auction to a friend) (request a gift alert) Featured Category Auction</p> <p>\$2.00</p> <p>12 (bid history) (with email)</p> <p>Milpitas, CA</p>
--	---	--

[ias47 \(10\)](#) ☆
[View comments in seller's Feedback Profile](#) (view seller's other auctions) (ask seller a question)

[alt](#) [tees](#)

Money Order/Cashiers Checks, Personal Checks, See item description for payment methods accepted
 Seller might ship to home country only. See item description for details. See item description for shipping charges

Seller assumes all responsibility for listing this item. You should contact the seller to resolve any questions before bidding. Currency is U.S. dollar (\$) unless otherwise noted

FIG. 4R1

84/173

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eBay™

BrandKey Request™
 Currently \$420.50 (estimates max)
 Quantity 1
 Time left 4 days, 7 hours +
 Started 10/31/99, 21:29:10 PST
 Ends 11/07/99, 21:29:10 PST
 Seller jass47 (10) ☆
 (view comments in sell)
 High bid alt tees
 Payment Money Order/Cashiers
 Shipping Seller might ship to you

Seller assumes all responsibility for listing this item. You U.S. dollar (\$) unless otherwise noted

BRANDKEY REQUEST™ CONSUMER PRODUCT INFORMATION SERVER

Cyber-Service™
 Search Results for:
 Manufacturer ID: 0000000
 UPC: 0000000000 Trademark: Sony Mexico

Product Description	http://www.sony.com/digitalcam/brandkey/
Advertisements	http://www.sony.com/digitalcam/brandkey/
Endorsements	http://www.sony.com/digitalcam/brandkey/
Warranty Service	http://www.sony.com/digitalcam/brandkey/
Discounts/Rebates	http://www.sony.com/digitalcam/brandkey/

FIG. 4R2

85/173

Index Network

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Now In Stock

For more product details
find it at >>>>

GO . SPANOVY REQUEST
URL Search

Thomas J. Perkowski, Esq., P.C.
Intellectual Property Advocacy

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Stamford, Connecticut 06902
telephone (203) 357-1950
facsimile (203) 357-1959
email: info@tpatlaw.com
<http://www.tpatlaw.com>

"To own an invention, one must claim the invention;
To claim the invention, one must express the invention in words."

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FIG. 4S1

FIG. 4S2

Mac Mall The Mail with it all! Netscape

Home | Shopping Cart | Order Status | Catalog Request

Mac Mall

Business | Home/Office | Education | Government | Electronics | Clearance

up to \$250 Cash Back!
or 100% off a DVD Player

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Welcome to MacMall

Click here for top-selling Mac Software.

Search Products | Shop by Brand

Fast, easy Internet access
iMac has been resculpted so it's smaller, sleeker and more transparent
Plug-and-play digital video (DV models only)

350- or 400MHz PowerPC G3 processor
ATI RAGE 128 VR 2D/3D accelerated graphics
64MB or 128MB of SDRAM; supports up to 512MB

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Servers
Handhelds

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Accessories
Backs & Video
Cables & Wiring
CD & DVD
Communications
Controller Cards

FIG. 4S3

88/173

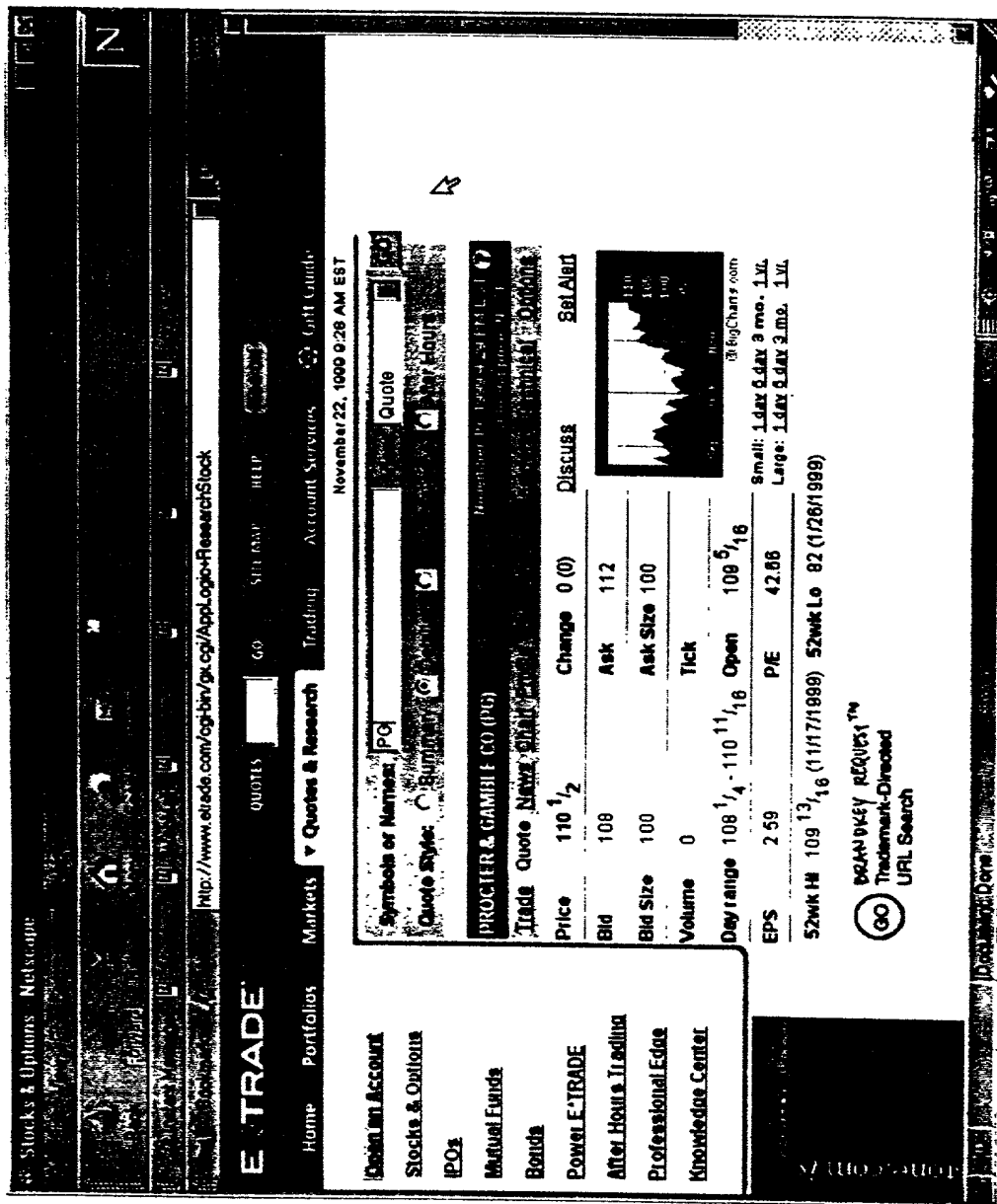


FIG. 4T1

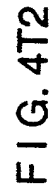


FIG. 4T2

10/173

MANUFACTURER / PRODUCT REGISTRATION MODE

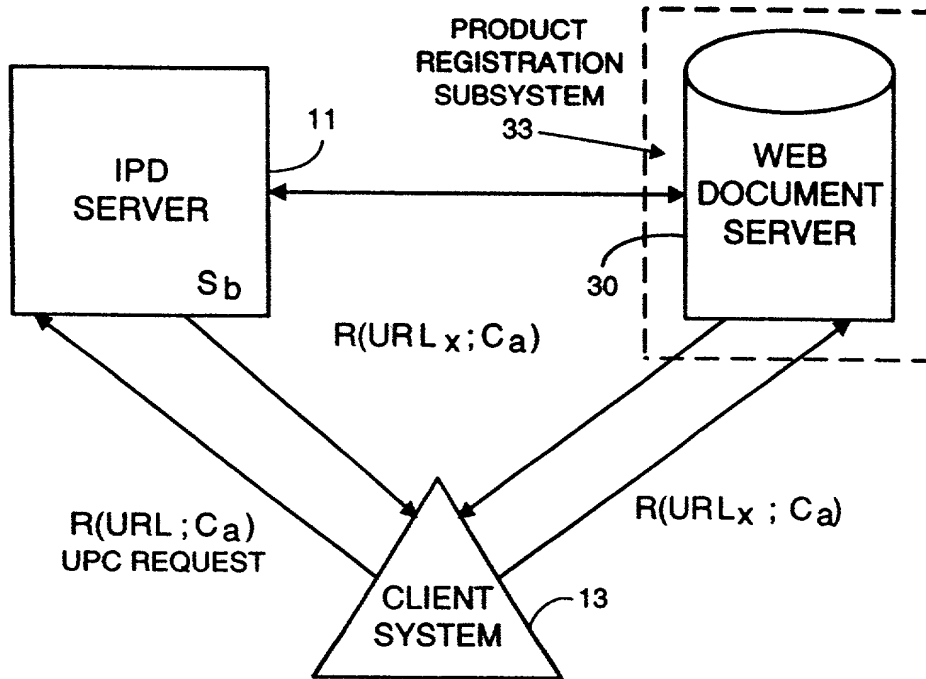


FIG. 5A

MANUFACTURER WEBSITE SEARCH MODE

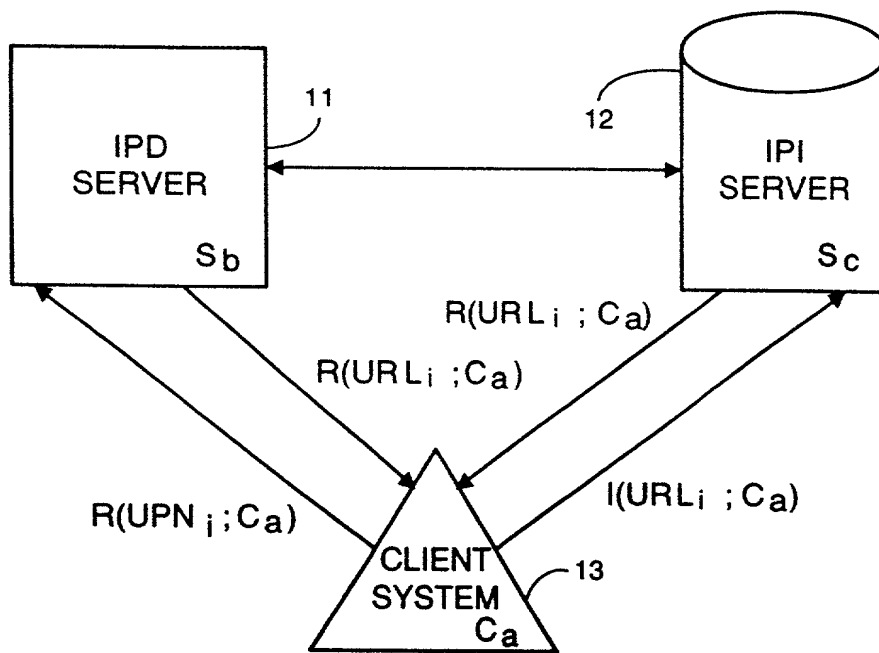


FIG. 5B

91/173

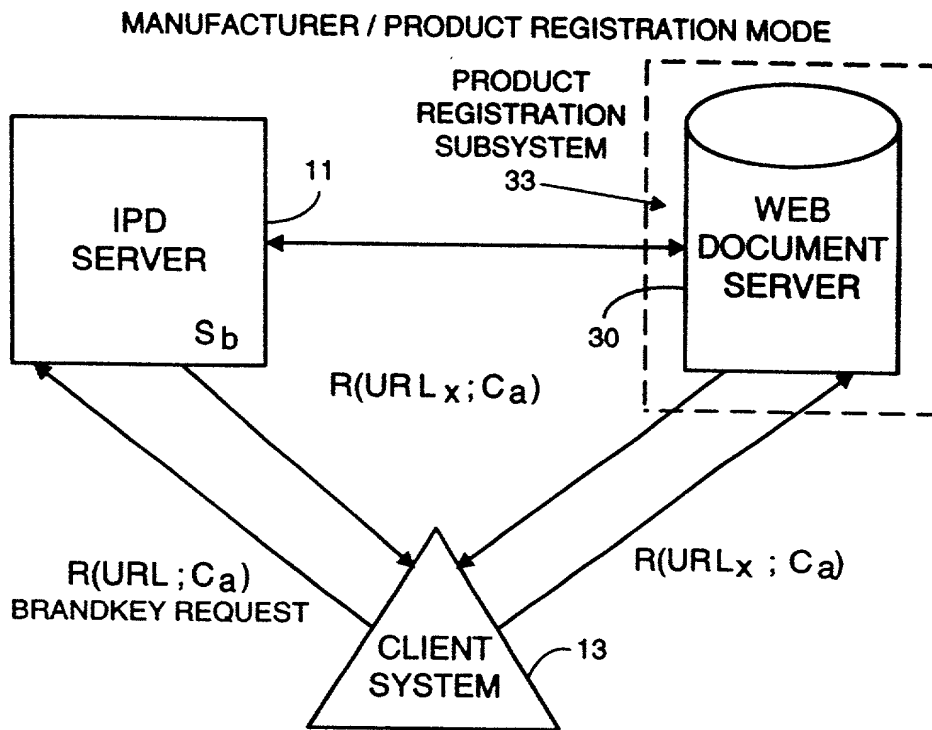


FIG. 5A

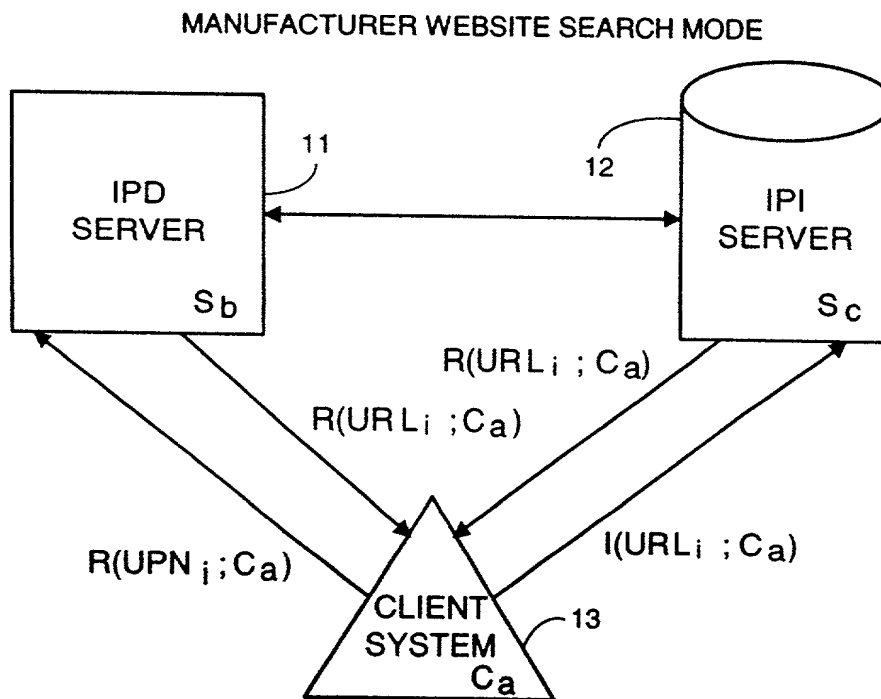


FIG. 5B

92/173

UPN - DIRECTED INFORMATION ACCESS MODE

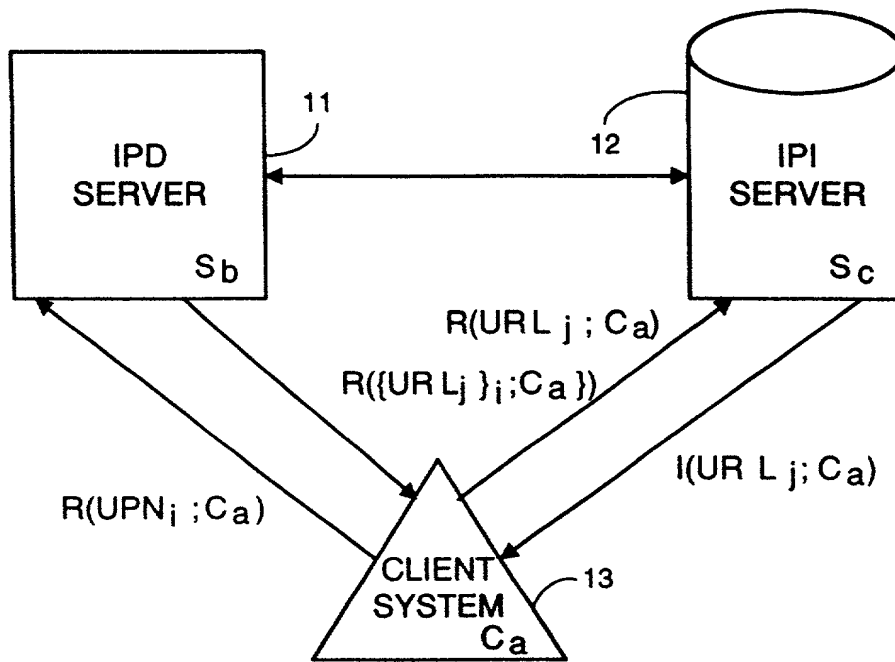


FIG. 5C

TRADE - MARK DIRECTED SEARCH MODE

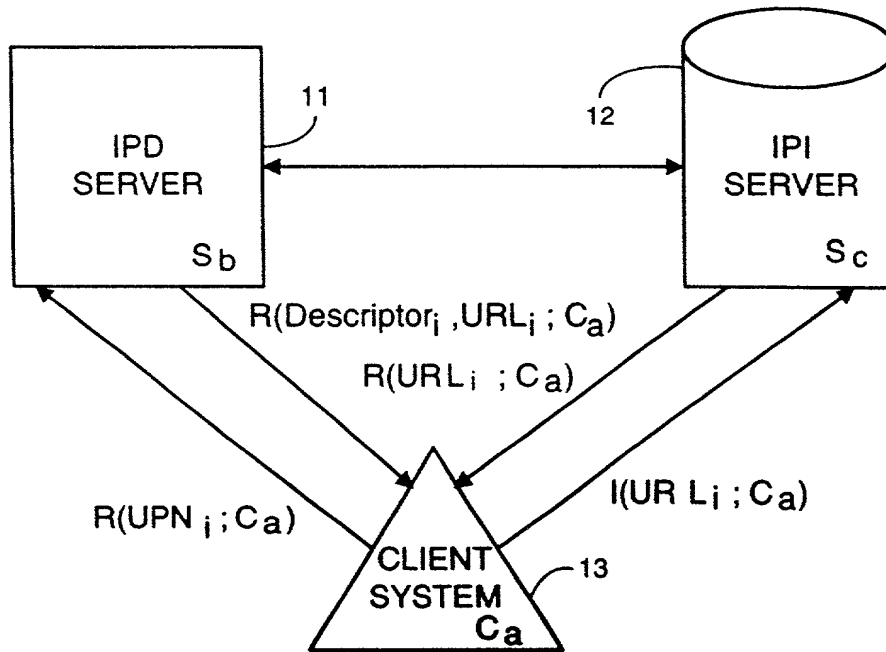


FIG. 5D

PRODUCT - DESCRIPTION DIRECTED SEARCH MODE

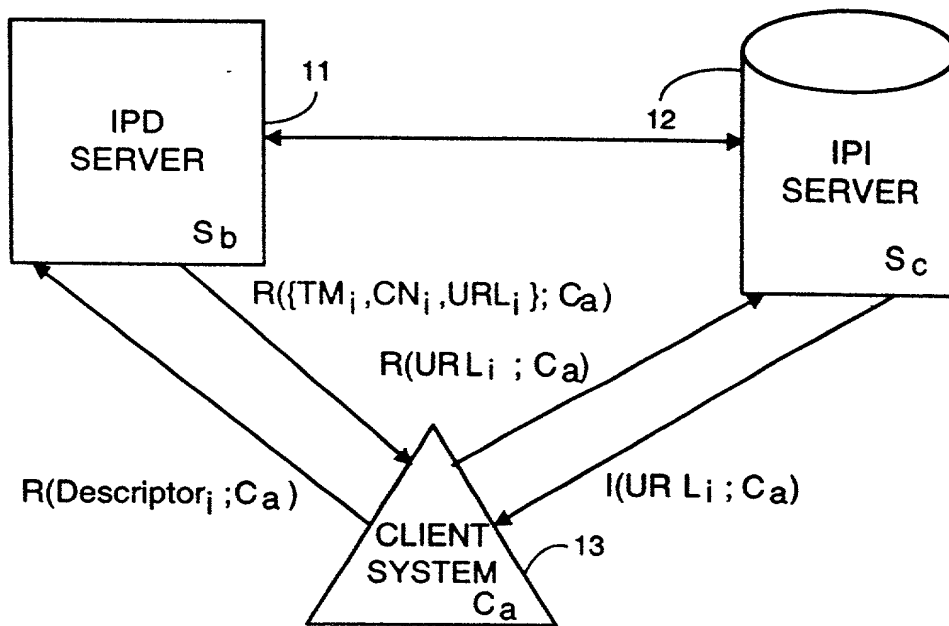


FIG. 5E

94/173

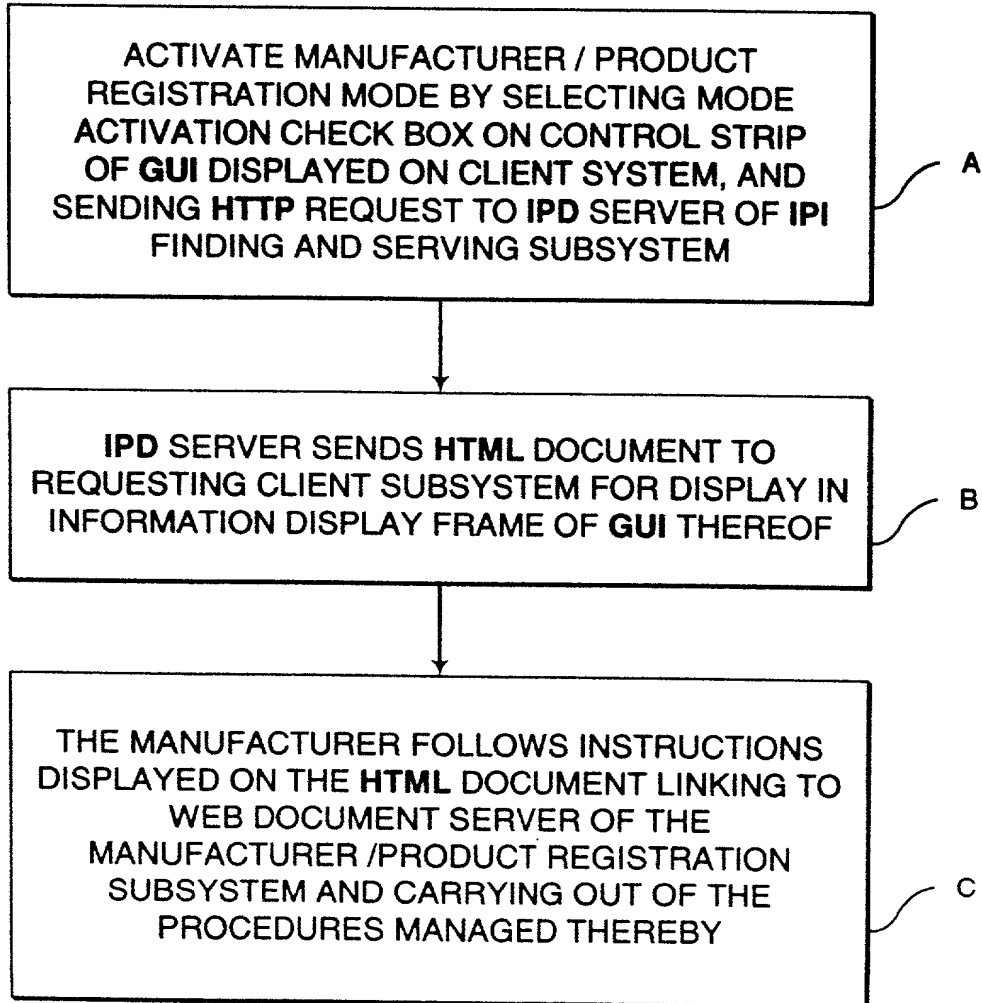


FIG. 6A

95/193

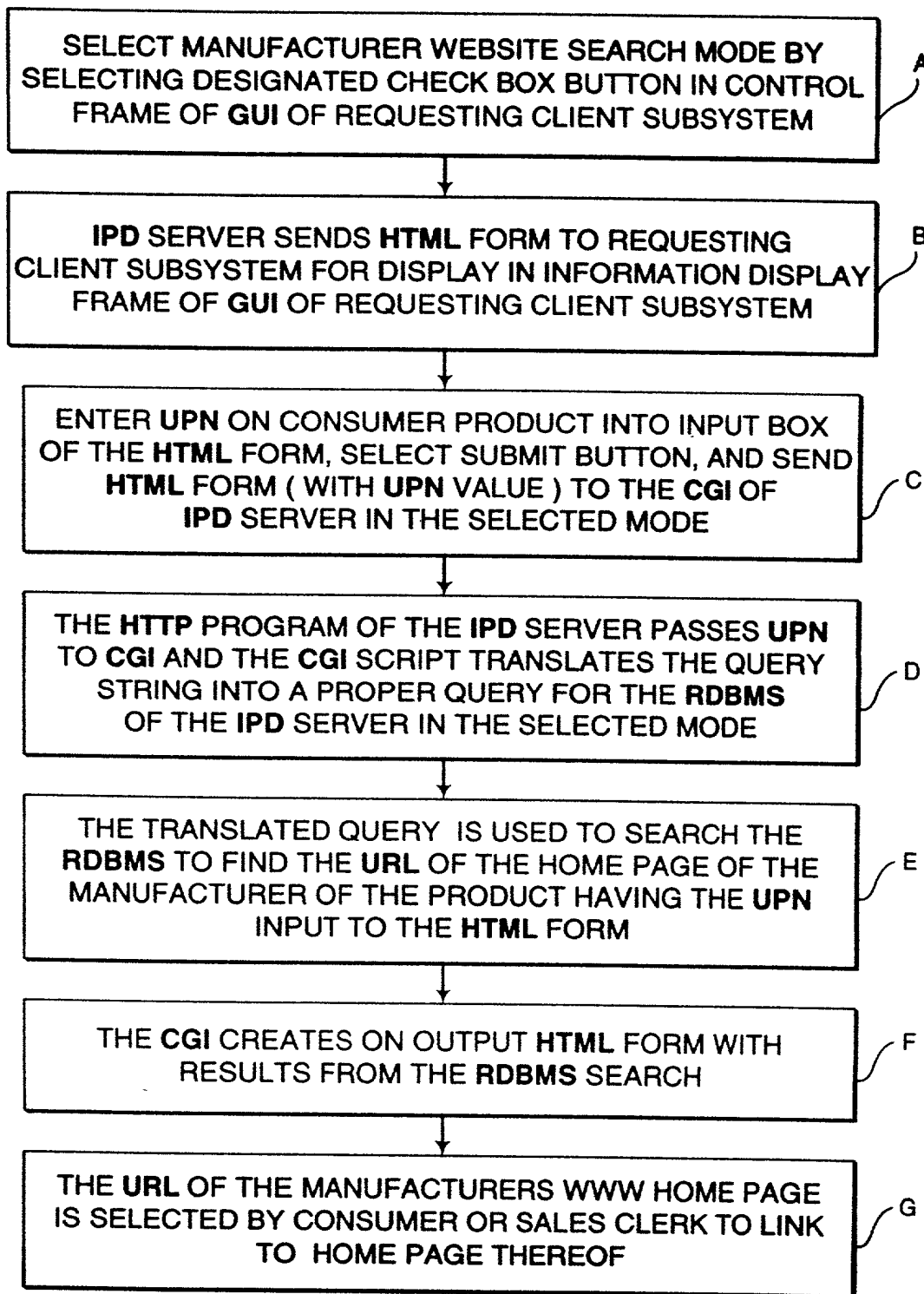


FIG. 6B

96/143

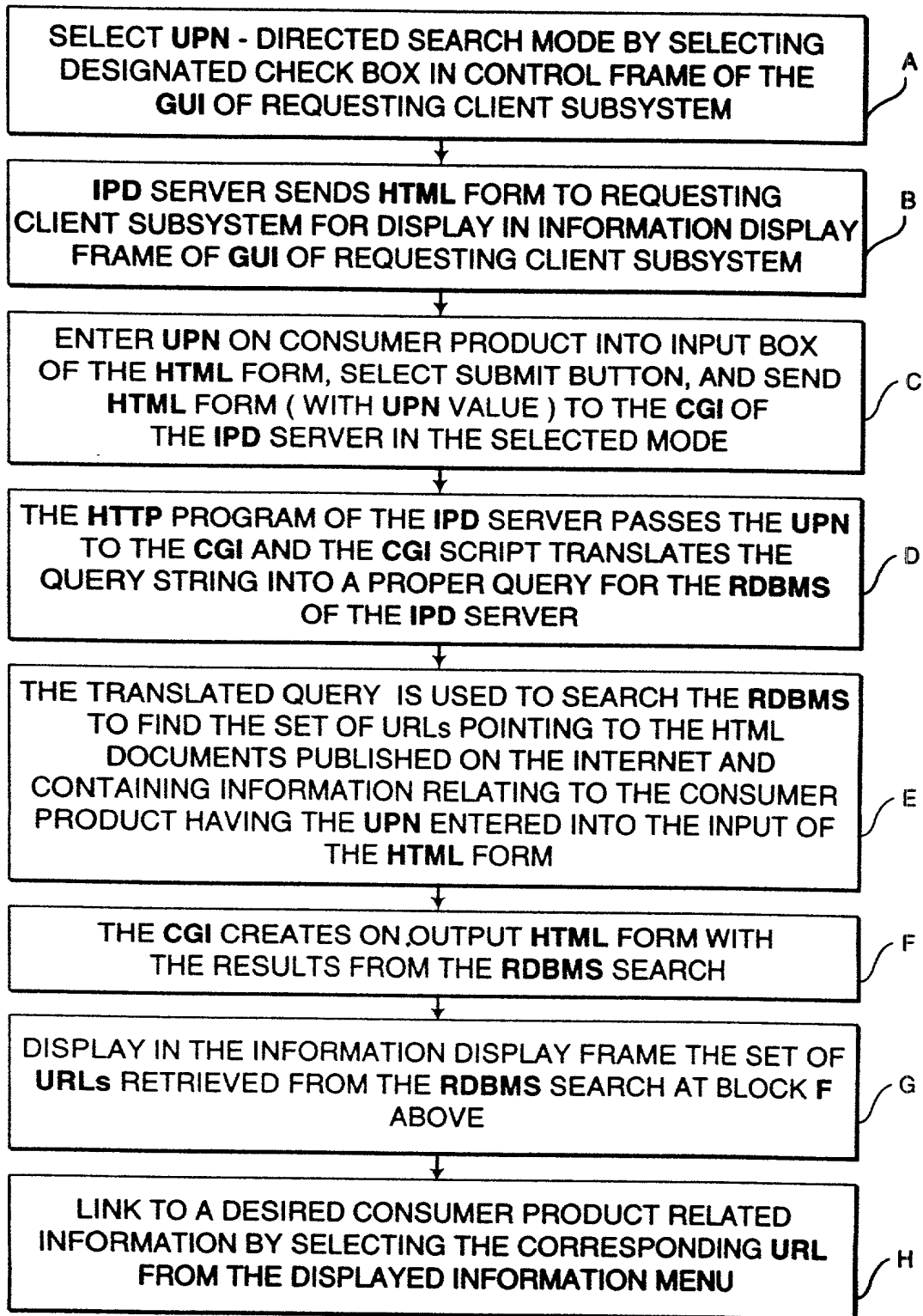


FIG. 6C

97/173

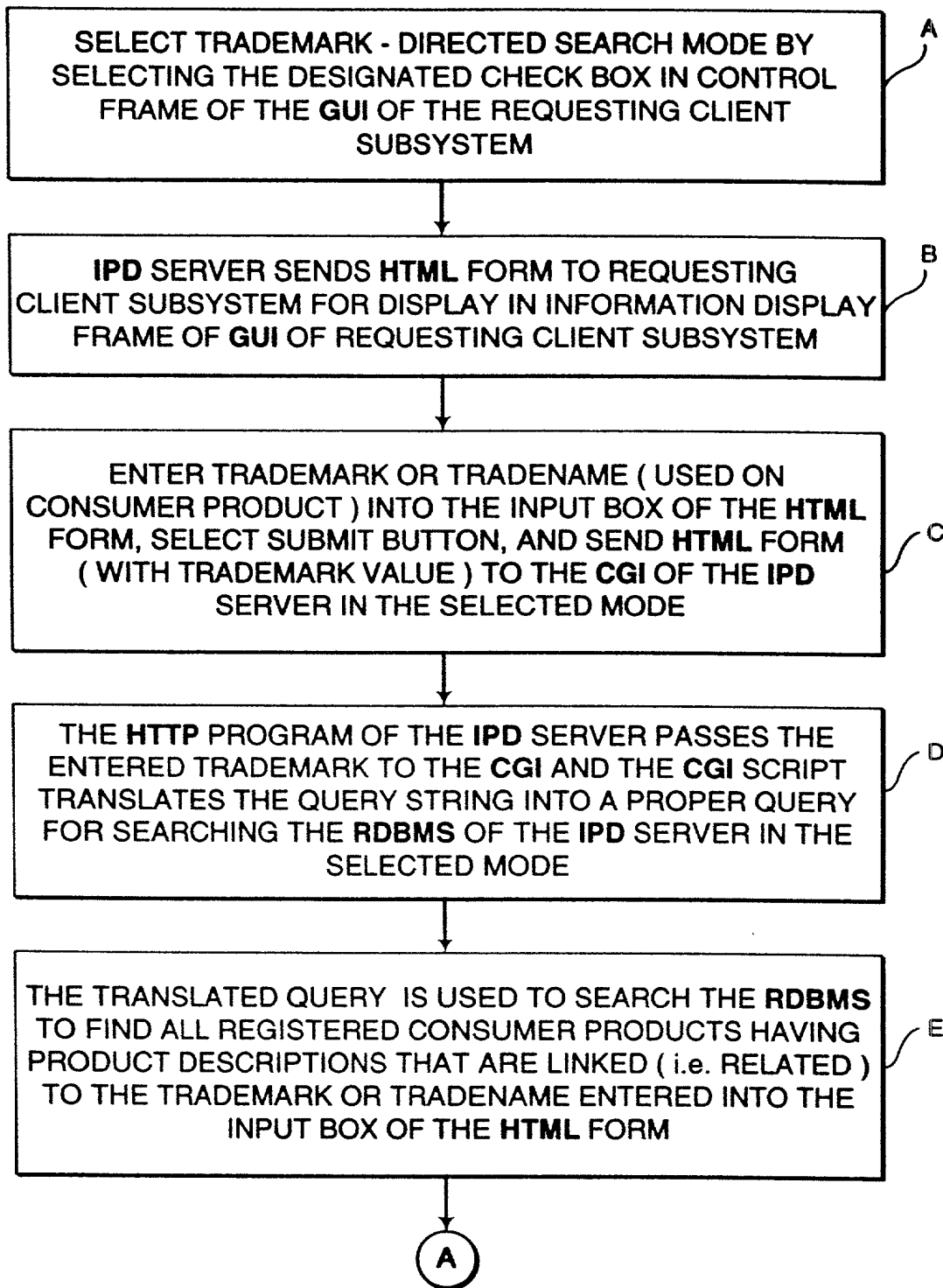


FIG. 6D1

98/173

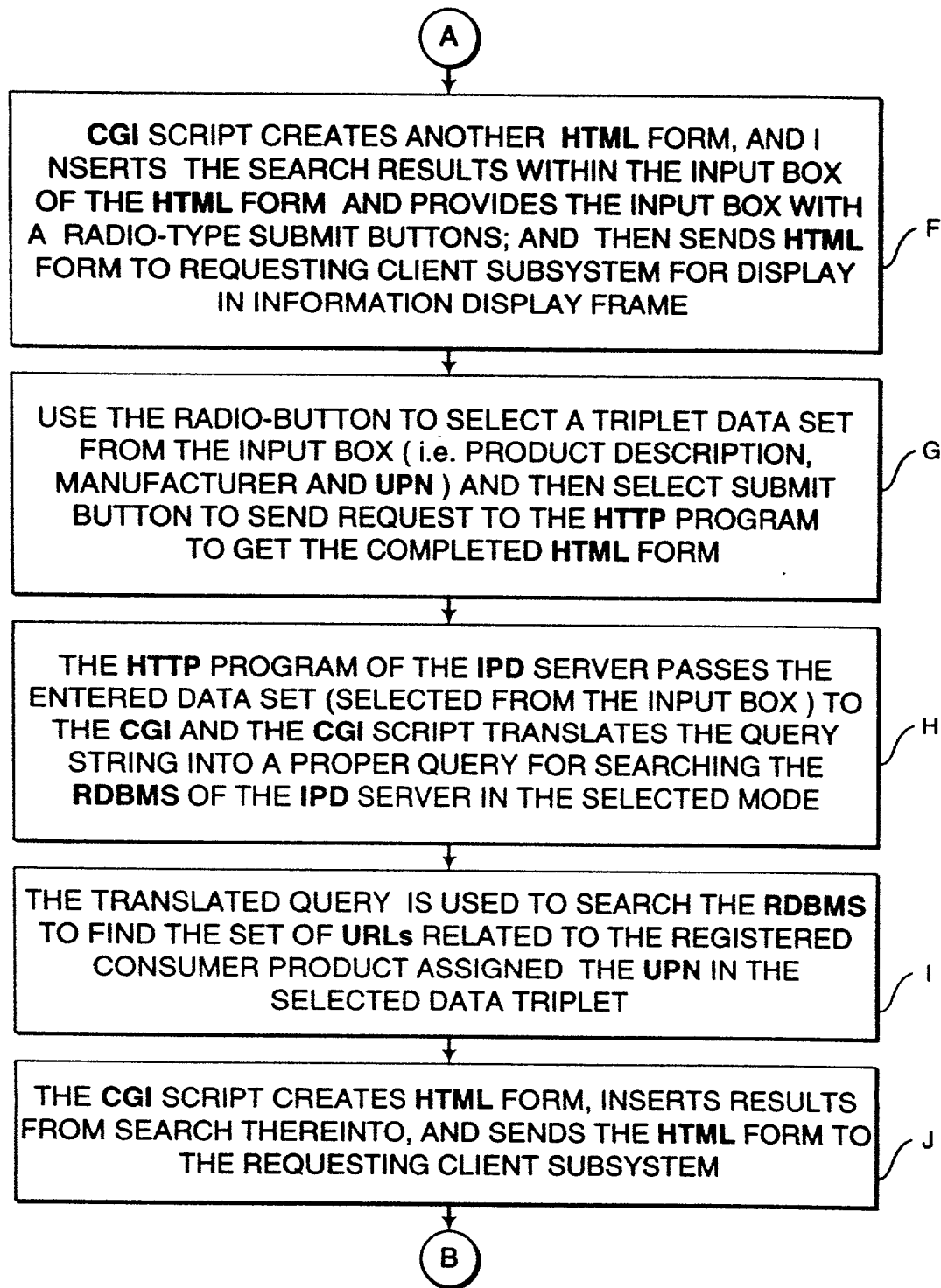


FIG. 6D2

99/173

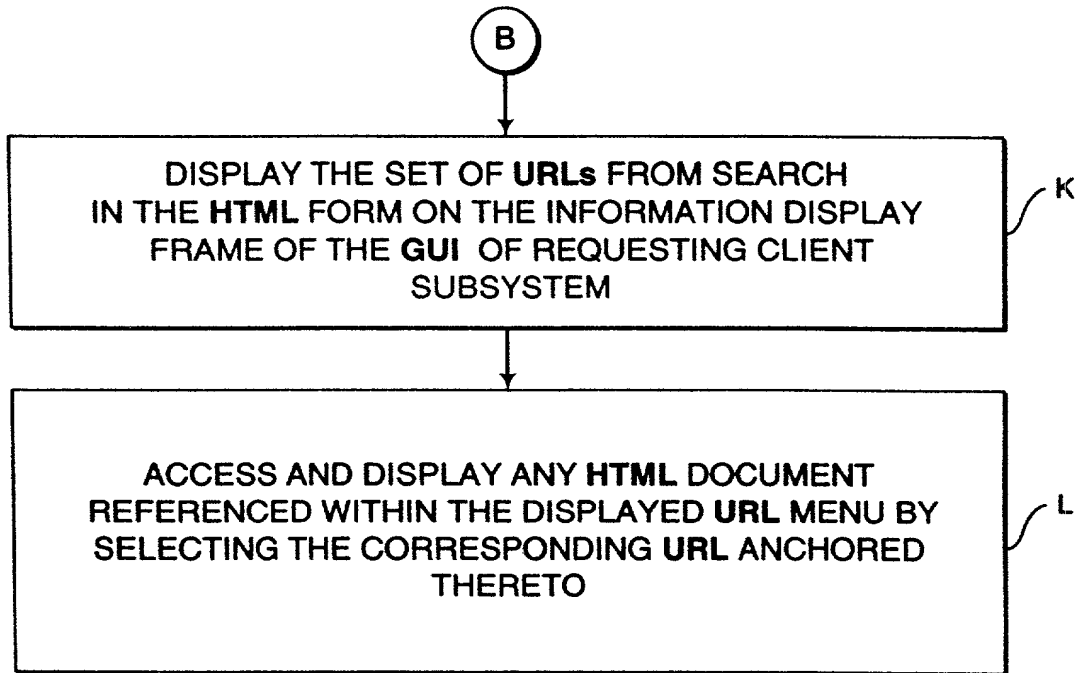


FIG. 6D3

100/173

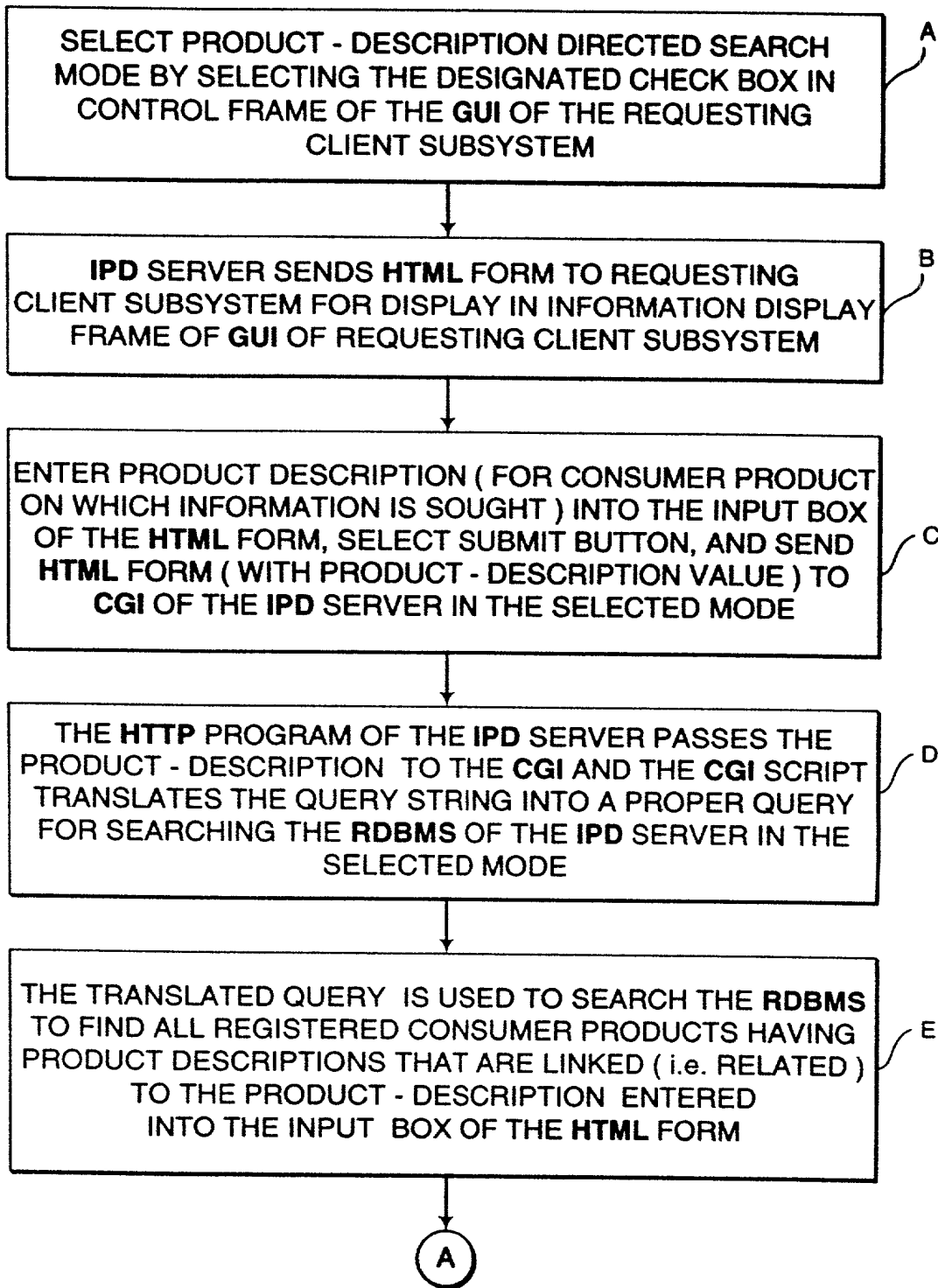


FIG. 6E1

101/173

A

CGI SCRIPT CREATES ANOTHER **HTML** FORM, AND INSERTS THE SEARCH RESULTS WITHIN THE INPUT BOX OF THE **HTML** FORM AND PROVIDES THE INPUT BOX WITH A RADIO-TYPE SUBMIT BUTTONS; AND THEN SENDS **HTML** FORM TO REQUESTING CLIENT SUBSYSTEM FOR DISPLAY IN INFORMATION DISPLAY FRAME

F

USE THE RADIO-BUTTON TO SELECT A TRIPLET DATA SET FROM THE INPUT BOX (i.e. TRADEMARK , MANUFACTURER AND **UPN**) AND THEN SELECT SUBMIT BUTTON TO SEND REQUEST TO THE **HTTP** PROGRAM TO GET THE COMPLETED **HTML** FORM

G

THE **HTTP** PROGRAM OF THE **IPD** SERVER PASSES THE ENTERED DATA SET (SELECTED FROM THE INPUT BOX) TO THE **CGI** AND THE **CGI** SCRIPT TRANSLATES THE QUERY STRING INTO A PROPER QUERY FOR SEARCHING THE **RDBMS** OF THE **IPD** SERVER IN THE SELECTED MODE

H

THE TRANSLATED QUERY IS USED TO SEARCH THE **RDBMS** TO FIND THE SET OF **URLs** RELATED TO THE REGISTERED CONSUMER PRODUCT ASSIGNED THE **UPN** IN THE SELECTED DATA TRIPLET

I

THE **CGI** SCRIPT CREATES **HTML** FORM, INSERTS RESULTS FROM SEARCH THEREINTO, AND SENDS THE **HTML** FORM TO THE REQUESTING CLIENT SUBSYSTEM

J

B

FIG. 6E2

102/173

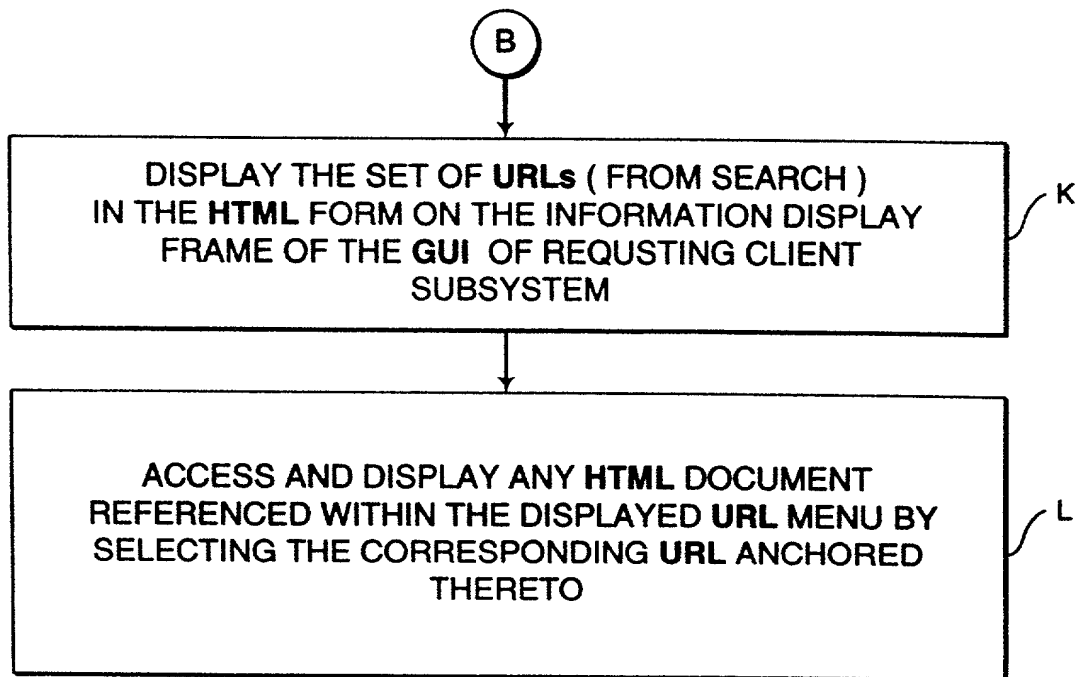


FIG. 6E3



104/193

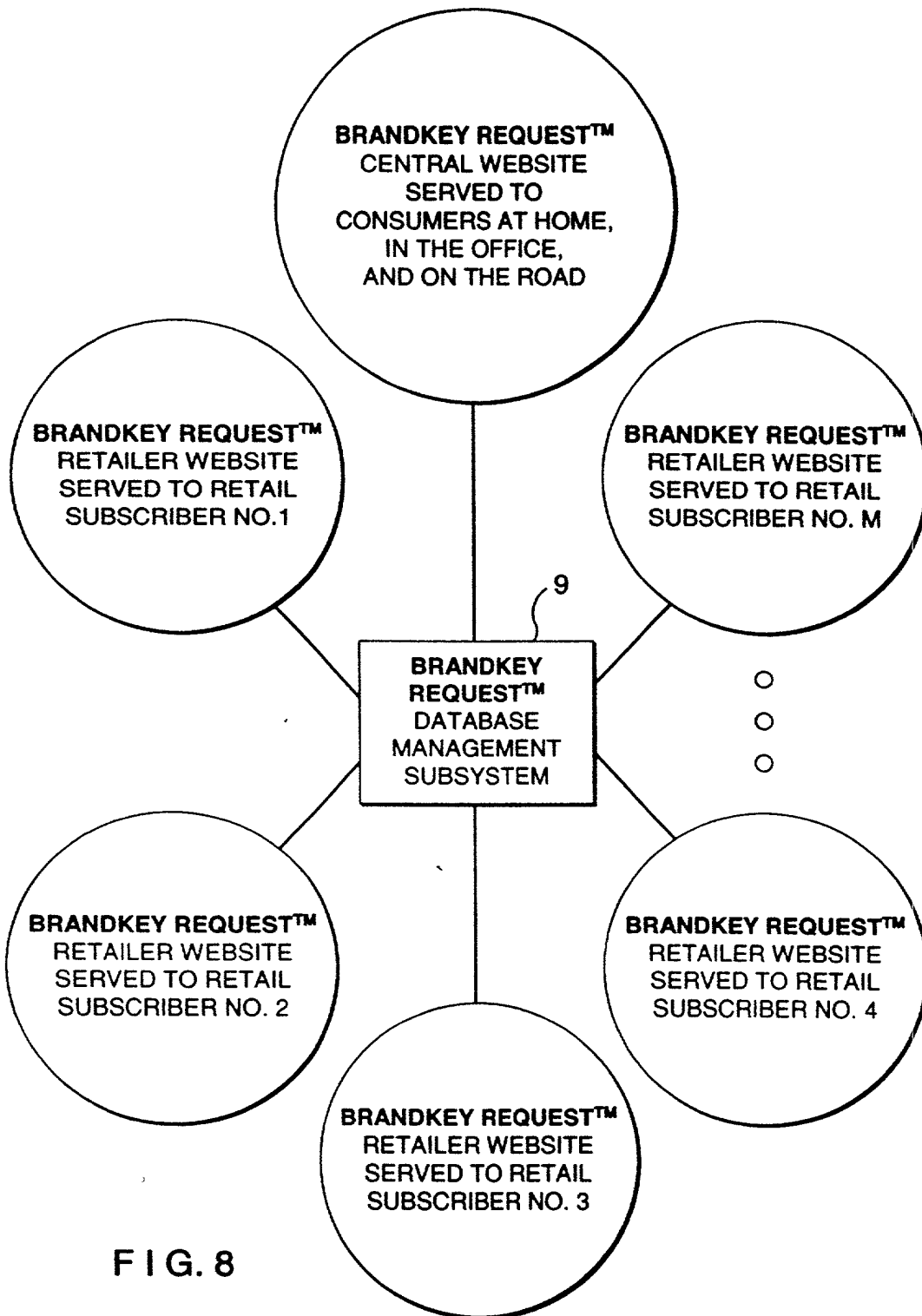


FIG. 8

105/173

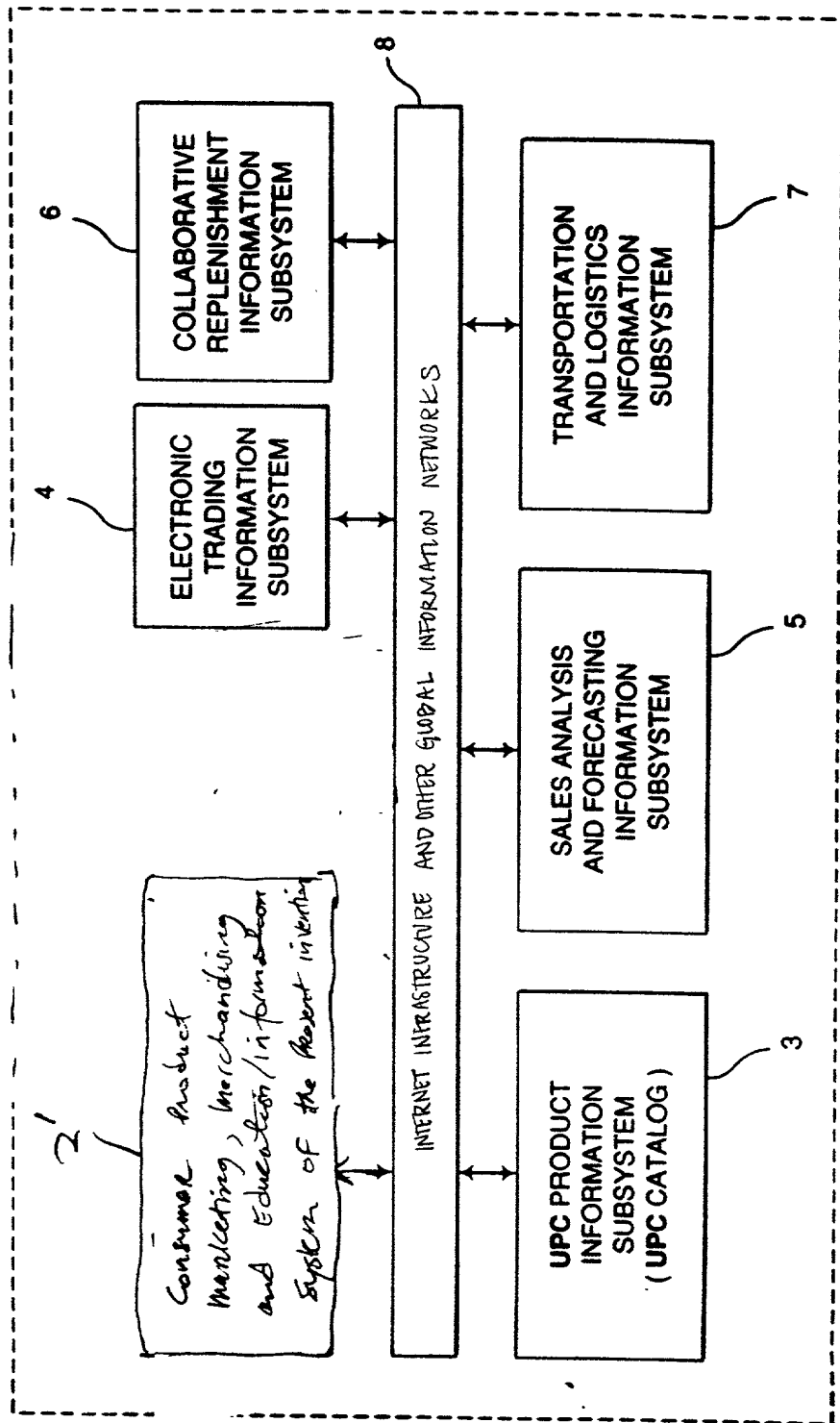


FIG. 9

SECOND ILLUSTRATIVE EMBODIMENT

106/173

2' (2")

CPI Link
creation, management
and Transport
Subsystem (501)

Manufacturer
Registration and
UPN/TM/PD/URL
LCMT Server

Consumer Product
Promotion
Marketing,
Programming
management and
delivery
Subsystem (503)

507

Product
Advertisement
Marketing/
Sales/mgmt.
Web (http)
Server

UPN-Indexed
ROBMS FOR
Consumer product
Related
Information Links
(UPN/TM/PD/URLs)

Product
Promotion
Marketing/
Sales/mgmt.
Web (http)
Server

Consumer product
Advertisement
Marketing,
Programming
and display
Subsystem (502)

CPI Kiosk
Ordering/Configuration
Deployment/mgmt.
Web
Server

506

CPI Kiosk
Configuration,
Deployment, Management
and access
Subsystem (504)

91

FIG 9A

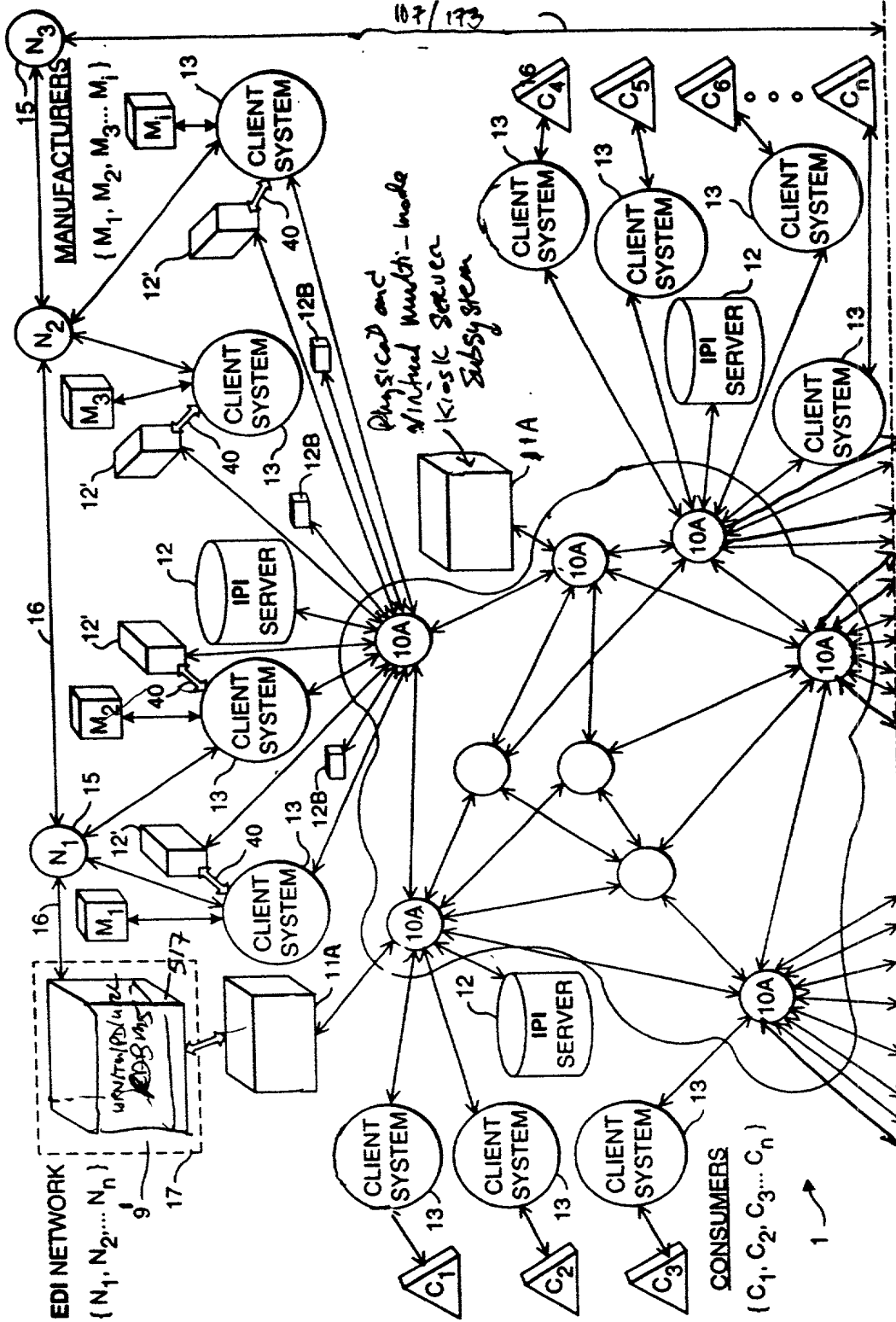
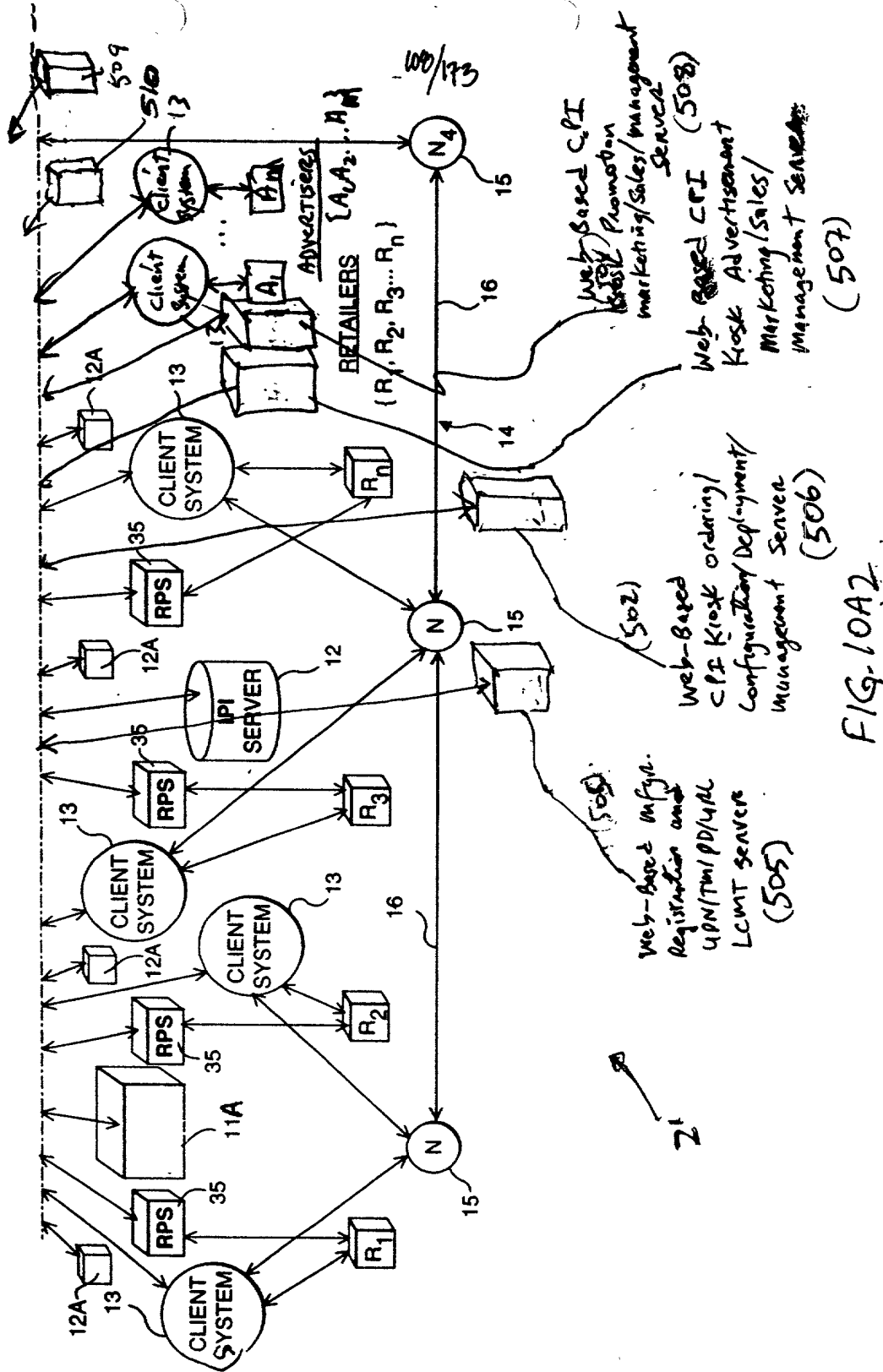


FIG 10A1



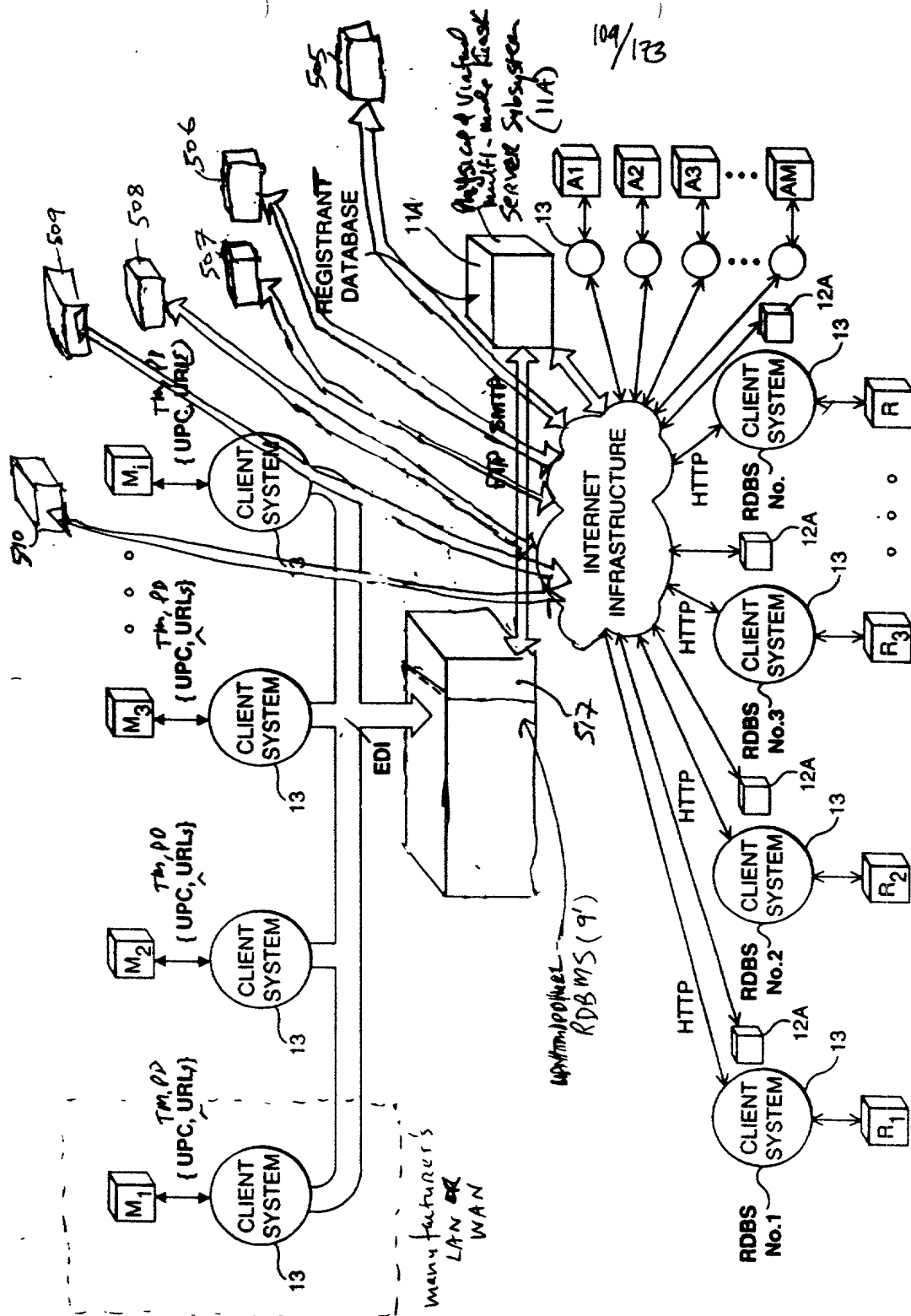


FIG 11

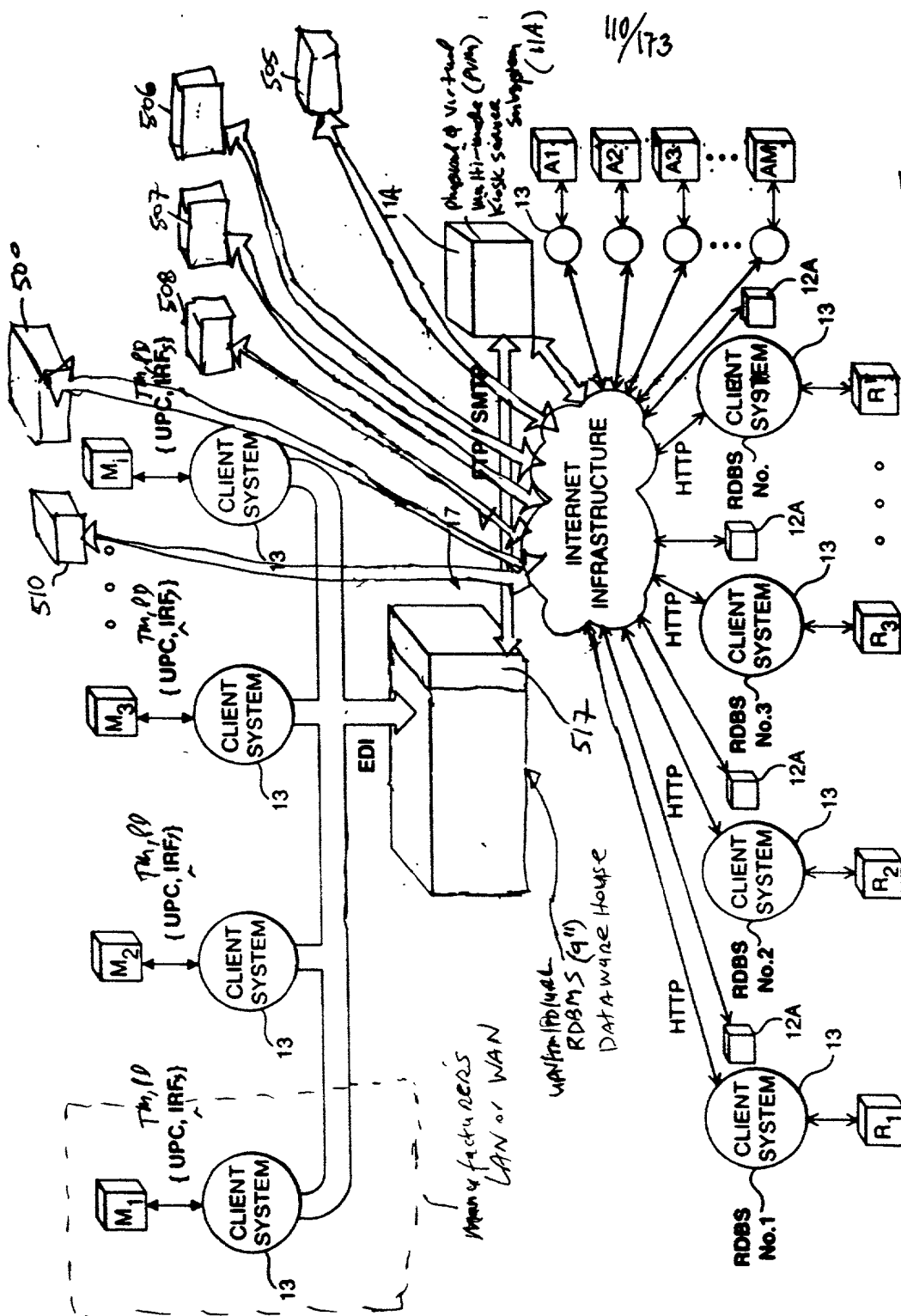


FIG. 12

FIG. 13 is a block diagram of a system architecture for a physical and virtual multi-mode kiosk system (11A) in accordance with one embodiment of the present invention.

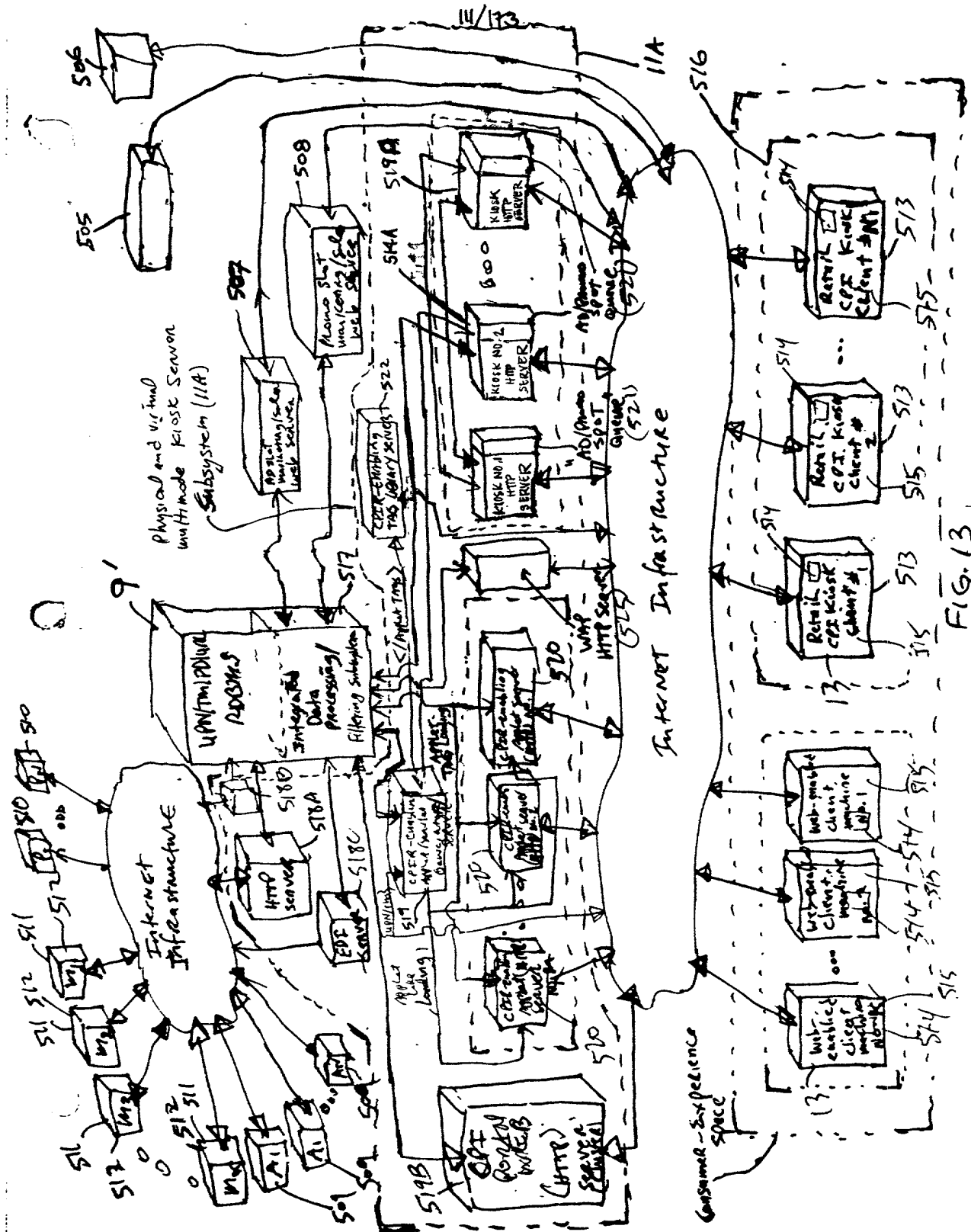
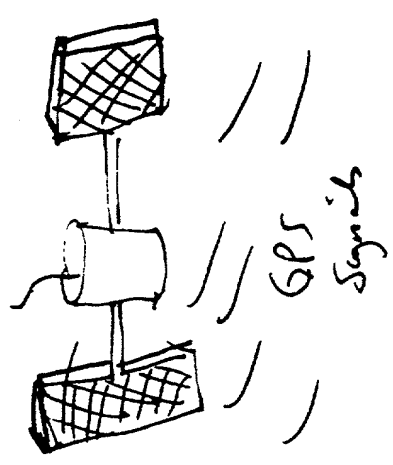


FIG. 13



11/2/13

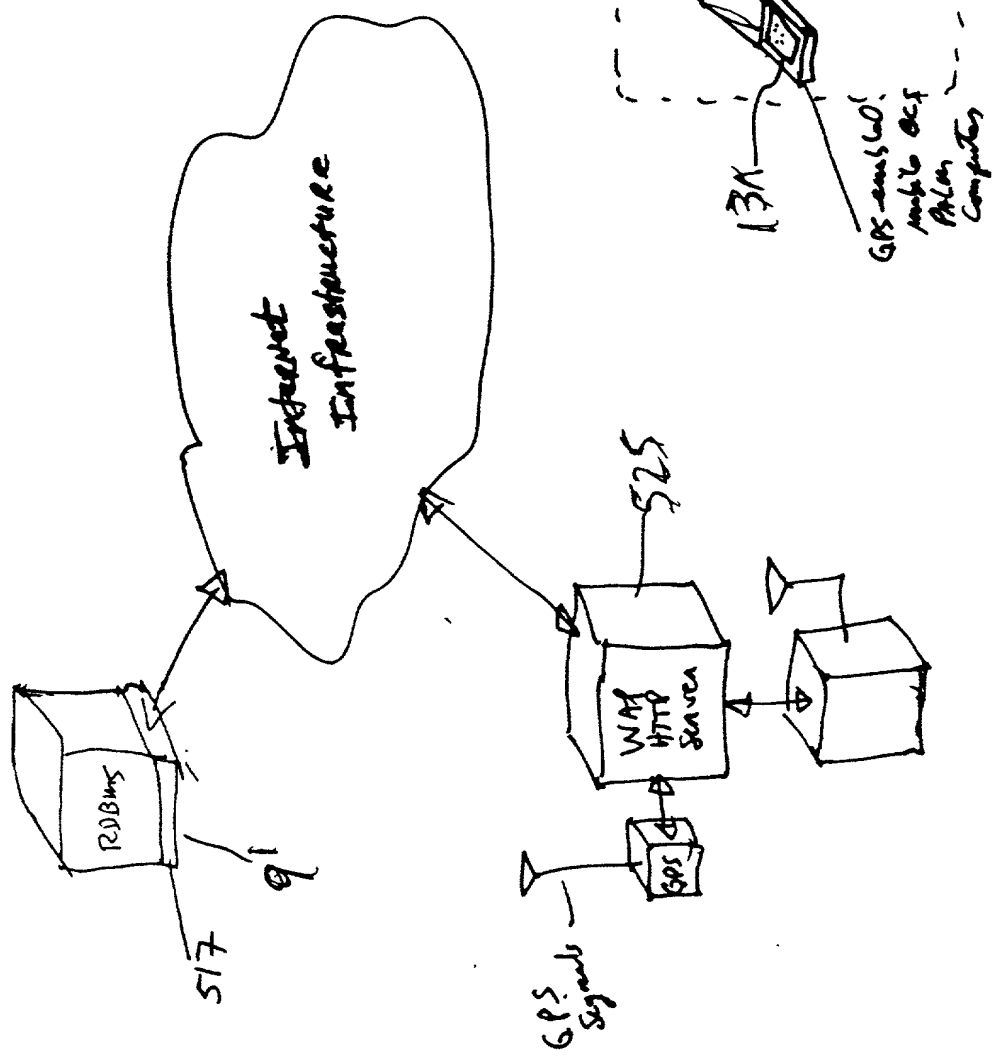


FIG. 14

113/173

Structure: ~~XXXXXXXXXX~~

Company Name	Alpha 20	Enterable; Modifiable
Street Address	Alpha 20	Enterable; Modifiable
City	Alpha 20	Enterable; Modifiable
State	Alpha 20	Enterable; Modifiable
Postal Code	Alpha 20	Enterable; Modifiable
Country	Alpha 20	Enterable; Modifiable
MIN Assigned by UCC/EAN	Alpha 20	Enterable; Modifiable
URL of Mfr. WWW Site	Alpha 20	Enterable; Modifiable
Phone Number	Alpha 20	Enterable; Modifiable
Email Address	Alpha 20	Enterable; Modifiable
Fax Number	Alpha 20	Enterable; Modifiable
Standard Industry Codes (SIC)	Alpha 20	Enterable; Modifiable
Marketing Executive Identity	Alpha 20	Enterable; Modifiable
Marketing Executive Phone No.	Alpha 20	Enterable; Modifiable
Marketing Executive E-mail	Alpha 20	Enterable; Modifiable
UPN/URL Management SW Installed	Alpha 20	Enterable; Modifiable
UPC Management SW for EDI B2B	Alpha 20	Enterable; Modifiable
UPC Service Bureau Employed	Alpha 20	Enterable; Modifiable
UPC Service Bureau Contact	Alpha 20	Enterable; Modifiable
UPC Service Bureau Phone Number	Alpha 20	Enterable; Modifiable
UPC Service Bureau E-Mail	Alpha 20	Enterable; Modifiable
EDI Vendor Employed	Alpha 20	Enterable; Modifiable
EDI Vendor Contact Person	Alpha 20	Enterable; Modifiable
EDI Vendor Phone Number	Alpha 20	Enterable; Modifiable
EDI Vendor E-Mail Address	Alpha 20	Enterable; Modifiable
EDI Service Bureau Employed	Alpha 20	Enterable; Modifiable
EDI Service Bureau Contact	Alpha 20	Enterable; Modifiable
EDI Service Bureau Phone Number	Alpha 20	Enterable; Modifiable
EDI Service Bureau E-Mail	Alpha 20	Enterable; Modifiable
Number of UPC/URL SW Licenses	Alpha 20	Enterable; Modifiable
UPN/URL Mgmt. SW License Total	Alpha 20	Enterable; Modifiable
Total Number of UPC Numbers	Alpha 20	Enterable; Modifiable
Date of UPC Number Accounting	Alpha 20	Enterable; Modifiable
Annual UPC/URL Mgmt. SW Fee Due	Alpha 20	Enterable; Modifiable
Date of UPC/URL SW Fee Payment	Alpha 20	Enterable; Modifiable
UPC/URL SW Fee Agent	Alpha 20	Enterable; Modifiable
UPC/URL SW Fee Agent Phone	Alpha 20	Enterable; Modifiable
UPC/URL SW Fee Agent Email	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG 15A

Structure: UPN/URL Management SW License

MIN Assigned by UCC/EAN	Alpha 20	Enterable; Modifiable
Version of UPN/URL Mgmt. SW	Alpha 20	Enterable; Modifiable
Number of Licenses Granted	Alpha 20	Enterable; Modifiable
UPN/URL Mgmt. SW License Keys	Alpha 20	Enterable; Modifiable
UPN/URL Mgmt. SW Acct. Number	Alpha 20	Enterable; Modifiable
UPN/URL Mgmt. SW Acct. Rep.	Alpha 20	Enterable; Modifiable
UPN/URL Mgmt. SW Download Date	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG. 15B

114/173

Structure: ~~Consumer~~ Product

MIN Assigned by UCC/EAN	Alpha 20	Enterable; Modifiable
Assigned UPN (UPC or UPC/EAN)	Alpha 20	Enterable; Modifiable
UPN Symbolology Type	Alpha 20	Enterable; Modifiable
Primary Trademark/Brand	Alpha 20	Enterable; Modifiable
Secondary Trademark/Brand	Alpha 20	Enterable; Modifiable
Product Description	Alpha 20	Enterable; Modifiable
Cash Register Short Description	Alpha 20	Enterable; Modifiable
Cash Register Description	Alpha 20	Enterable; Modifiable
Model Number	Alpha 20	Enterable; Modifiable
Package Type	Alpha 20	Enterable; Modifiable
Labeling Language	Alpha 20	Enterable; Modifiable
URL Marking on Package	Alpha 20	Enterable; Modifiable
Service Phone Number on Package	Alpha 20	Enterable; Modifiable
Brand Manager Identity	Alpha 20	Enterable; Modifiable
Brand Manager Phone Number	Alpha 20	Enterable; Modifiable
Brand Manager E-Mail Address	Alpha 20	Enterable; Modifiable
Product Manager Identity	Alpha 20	Enterable; Modifiable
Product Manager Phone Number	Alpha 20	Enterable; Modifiable
Product Manager E-Mail Address	Alpha 20	Enterable; Modifiable
Trademark Notice on Package	Alpha 20	Enterable; Modifiable
Copyright Notice on Package	Alpha 20	Enterable; Modifiable
Patent Notice on Package	Alpha 20	Enterable; Modifiable
URL for Primary TM Image	Alpha 20	Enterable; Modifiable
URL for Secondary Image	Alpha 20	Enterable; Modifiable
Effective Change Date	Alpha 20	Enterable; Modifiable
System Last Updated	Alpha 20	Enterable; Modifiable
Lease Date	Alpha 20	Enterable; Modifiable
Public Release Date	Alpha 20	Enterable; Modifiable
End Availability Date	Alpha 20	Enterable; Modifiable

FIG 15C

115/173

Structure: **Information**

Assigned UPN	Alpha 20	Enterable; Modifiable
URL for Product Description	Alpha 20	Enterable; Modifiable
URL for Product Instructions	Alpha 20	Enterable; Modifiable
URL for Product Oper. Manual	Alpha 20	Enterable; Modifiable
URL for Orig. Warranty Service	Alpha 20	Enterable; Modifiable
URL for Extended Warranty Svcce	Alpha 20	Enterable; Modifiable
URL for 1st Ad on WWW	Alpha 20	Enterable; Modifiable
URL for 2nd Ad on WWW	Alpha 20	Enterable; Modifiable
URL for 3rd Ad on WWW	Alpha 20	Enterable; Modifiable
URL for 4th Ad on WWW	Alpha 20	Enterable; Modifiable
URL for 5th Ad on WWW	Alpha 20	Enterable; Modifiable
URL for 1st Product Review	Alpha 20	Enterable; Modifiable
URL for 2nd Product Review	Alpha 20	Enterable; Modifiable
URL for 3rd Product Review	Alpha 20	Enterable; Modifiable
URL for 4th Product Review	Alpha 20	Enterable; Modifiable
URL for 5th Product Review	Alpha 20	Enterable; Modifiable
URL for 1st Product Endorsement	Alpha 20	Enterable; Modifiable
URL for 2nd Product Endorsement	Alpha 20	Enterable; Modifiable
URL for 3rd Product Endorsement	Alpha 20	Enterable; Modifiable
URL for 4th Product Endorsement	Alpha 20	Enterable; Modifiable
URL for 5th Product Endorsement	Alpha 20	Enterable; Modifiable
URL for Mfr. Service Request	Alpha 20	Enterable; Modifiable
URL for Product Returns To Mfr	Alpha 20	Enterable; Modifiable
URL for Product News	Alpha 20	Enterable; Modifiable
URL for Company News	Alpha 20	Enterable; Modifiable
URL for FAQs About Product	Alpha 20	Enterable; Modifiable
URL for Customer Service Line 1	Alpha 20	Enterable; Modifiable
URL for Customer Service Line 2	Alpha 20	Enterable; Modifiable
URL for Mfr. Promotion #1	Alpha 20	Enterable; Modifiable
URL for Mfr. Promotion #2	Alpha 20	Enterable; Modifiable
URL for Mfr. Promotion #3	Alpha 20	Enterable; Modifiable
URL for Retailer Promotion #1	Alpha 20	Enterable; Modifiable
URL for Retailer Promotion #2	Alpha 20	Enterable; Modifiable
URL for Retailer Promotion #3	Alpha 20	Enterable; Modifiable
URL for Retailer Promotion #4	Alpha 20	Enterable; Modifiable
URL for Retailer Promotion #5	Alpha 20	Enterable; Modifiable
URL for Retailer Promotion #6	Alpha 20	Enterable; Modifiable
URL for Retailer Promotion #7	Alpha 20	Enterable; Modifiable
URL for Retailer Promotion #8	Alpha 20	Enterable; Modifiable
URL for Retailer Promotion #9	Alpha 20	Enterable; Modifiable
URL for Retailer Promotion #10	Alpha 20	Enterable; Modifiable
URL for Direct Mfr. Purchase	Alpha 20	Enterable; Modifiable
URL for Dealer Location in USA	Alpha 20	Enterable; Modifiable
URL for Product Wholesaler #1	Alpha 20	Enterable; Modifiable
URL for Product Wholesaler #2	Alpha 20	Enterable; Modifiable
URL for Product Wholesaler #3	Alpha 20	Enterable; Modifiable
URL for Product Wholesaler #4	Alpha 20	Enterable; Modifiable
URL for Product Retailer #1	Alpha 20	Enterable; Modifiable
URL for Product Retailer #2	Alpha 20	Enterable; Modifiable
URL for Product Retailer #3	Alpha 20	Enterable; Modifiable
URL for Product Retailer #4	Alpha 20	Enterable; Modifiable
URL for Product Retailer #5	Alpha 20	Enterable; Modifiable
URL for Product Retailer #6	Alpha 20	Enterable; Modifiable
URL for Product Retailer #7	Alpha 20	Enterable; Modifiable

FIG. 15D1

116/173

URL for Product Retailer #8	Alpha 20	Enterable; Modifiable
URL for Product Retailer #9	Alpha 20	Enterable; Modifiable
URL for Product Retailer #10	Alpha 20	Enterable; Modifiable
URL for Product Retailer #11	Alpha 20	Enterable; Modifiable
URL for Product Retailer #12	Alpha 20	Enterable; Modifiable
URL for Product Retailer #13	Alpha 20	Enterable; Modifiable
URL for Product Retailer #14	Alpha 20	Enterable; Modifiable
URL for Product Retailer #15	Alpha 20	Enterable; Modifiable
URL for Product Retailer #16	Alpha 20	Enterable; Modifiable
URL for Product Retailer #17	Alpha 20	Enterable; Modifiable
URL for Product Retailer #18	Alpha 20	Enterable; Modifiable
URL for Product Retailer #19	Alpha 20	Enterable; Modifiable
URL for Product Retailer #20	Alpha 20	Enterable; Modifiable
URL for Complementary Product 1	Alpha 20	Enterable; Modifiable
URL for Complementary Product 2	Alpha 20	Enterable; Modifiable
URL for Complementary Product 3	Alpha 20	Enterable; Modifiable
URL for Complementary Product 4	Alpha 20	Enterable; Modifiable
URL for Complementary Product 5	Alpha 20	Enterable; Modifiable
URL for Special Product Notices	Alpha 20	Enterable; Modifiable
URL for Product Uses	Alpha 20	Enterable; Modifiable
URL for Product Recreations	Alpha 20	Enterable; Modifiable
URL for Mfr. Affiliate #1	Alpha 20	Enterable; Modifiable
URL for Mfr. Affiliate #2	Alpha 20	Enterable; Modifiable
URL for Mfr. Affiliate #3	Alpha 20	Enterable; Modifiable
URL for Mfr. Affiliate #4	Alpha 20	Enterable; Modifiable
URL for Mfr. Affiliate #5	Alpha 20	Enterable; Modifiable
URL for Product Updates	Alpha 20	Enterable; Modifiable
URL for Software Downloads	Alpha 20	Enterable; Modifiable
URL for Mfr-Sponsored Auctions	Alpha 20	Enterable; Modifiable
URL for Rtr-Sponsored Auctions	Alpha 20	Enterable; Modifiable
URL for Mfr.Suggstd Rtl. Price	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

F1515D2

117/173

Structure: Retailer

Company Name	Alpha 20	Enterable; Modifiable
Street Address	Alpha 20	Enterable; Modifiable
City	Alpha 20	Enterable; Modifiable
State	Alpha 20	Enterable; Modifiable
Postal Code	Alpha 20	Enterable; Modifiable
Country	Alpha 20	Enterable; Modifiable
Retailer ID No.	Alpha 20	Enterable; Modifiable
Contact Person	Alpha 20	Enterable; Modifiable
Phone Number	Alpha 20	Enterable; Modifiable
E-Mail Address	Alpha 20	Enterable; Modifiable
Fax Number	Alpha 20	Enterable; Modifiable
URL of Retailer WWW Site	Alpha 20	Enterable; Modifiable
Purchasing Director Identity	Alpha 20	Enterable; Modifiable
Purchasing Director Phone	Alpha 20	Enterable; Modifiable
Purchasing Director E-Mail	Alpha 20	Enterable; Modifiable
UPC Catalog Provider	Alpha 20	Enterable; Modifiable
UPC Catalog Provider Contact	Alpha 20	Enterable; Modifiable
UPC Catalog Provider Phone	Alpha 20	Enterable; Modifiable
UPC Catalog Provider E-Mail	Alpha 20	Enterable; Modifiable
EDI B2N Enabler	Alpha 20	Enterable; Modifiable
EDI B2B Enabler Contact	Alpha 20	Enterable; Modifiable
EDI B2B Contact Phone	Alpha 20	Enterable; Modifiable
EDI B2B Contact E-Mail	Alpha 20	Enterable; Modifiable
EDI Vendor	Alpha 20	Enterable; Modifiable
EDI Vendor Contact Identity	Alpha 20	Enterable; Modifiable
EDI Vendor Contact Phone	Alpha 20	Enterable; Modifiable
EDI Vendor Contact E-Mail	Alpha 20	Enterable; Modifiable
Marketing Manager	Alpha 20	Enterable; Modifiable
Total Number of Retail Stores	Alpha 20	Enterable; Modifiable
Total Number of Retail Stores	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG. 15E

Structure: Retailer/Mfgr. P-Store Relation

Retail P-Store ID No.	Alpha 20	Enterable; Modifiable
Manufacturer #1 ID No.	Alpha 20	Enterable; Modifiable
Manufacturer #2 ID No.	Alpha 20	Enterable; Modifiable
Manufacturer #3 ID No.	Alpha 20	Enterable; Modifiable
Manufacturer #4 ID No.	Alpha 20	Enterable; Modifiable
Manufacturer #5 ID No.	Alpha 20	Enterable; Modifiable
Manufacturer #6 ID No.	Alpha 20	Enterable; Modifiable
Manufacturer #7 ID No.	Alpha 20	Enterable; Modifiable
Manufacturer #8 ID No.	Alpha 20	Enterable; Modifiable
Manufacturer #9 ID No.	Alpha 20	Enterable; Modifiable
Manufacturer #10 ID No.	Alpha 20	Enterable; Modifiable
Total # Mfgr. Relationships	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG. 15F

1197/173

Structure: Mfr./Retailer Relationships

MIN Assigned by UCC/EAN	Alpha 20	Enterable; Modifiable
Retailer #1 ID No.	Alpha 20	Enterable; Modifiable
Retailer #2 ID No.	Alpha 20	Enterable; Modifiable
Retailer #3 ID No.	Alpha 20	Enterable; Modifiable
Retailer #4 ID No.	Alpha 20	Enterable; Modifiable
Retailer #5 ID No.	Alpha 20	Enterable; Modifiable
Retailer #6 ID No.	Alpha 20	Enterable; Modifiable
Retailer #7 ID No.	Alpha 20	Enterable; Modifiable
Retailer #8 ID No.	Alpha 20	Enterable; Modifiable
Retailer #9 ID No.	Alpha 20	Enterable; Modifiable
Retailer #10 ID No.	Alpha 20	Enterable; Modifiable
Total # Retailer Relationships	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG. 15G

Structure: Consumer

Consumer Name	Alpha 20	Enterable; Modifiable
Consumer ID No.	Alpha 20	Enterable; Modifiable
E-Mail Address	Alpha 20	Enterable; Modifiable
Street Address	Alpha 20	Enterable; Modifiable
City	Alpha 20	Enterable; Modifiable
State	Alpha 20	Enterable; Modifiable
Postal Code	Alpha 20	Enterable; Modifiable
Phone Number	Alpha 20	Enterable; Modifiable
Shopped at Retail Store ID Nos.	Alpha 20	Enterable; Modifiable
Shopped at Retailer Store ID No	Alpha 20	Enterable; Modifiable
Consumer Index 1	Alpha 20	Enterable; Modifiable
Consumer Index 2	Alpha 20	Enterable; Modifiable
Consumer Index 3	Alpha 20	Enterable; Modifiable
Consumer Index 4	Alpha 20	Enterable; Modifiable
Consumer Index 5	Alpha 20	Enterable; Modifiable
Consumer Index 6	Alpha 20	Enterable; Modifiable
Consumer Index 7	Alpha 20	Enterable; Modifiable
Consumer Index 8	Alpha 20	Enterable; Modifiable
Consumer Index 9	Alpha 20	Enterable; Modifiable
Credit Card Nos.	Alpha 20	Enterable; Modifiable

FIG. 15H

119/173

Structure: Advertiser

Advertiser Name	Alpha 20	Enterable; Modifiable
Street Address	Alpha 20	Enterable; Modifiable
City	Alpha 20	Enterable; Modifiable
State	Alpha 20	Enterable; Modifiable
Postal Code	Alpha 20	Enterable; Modifiable
Contact Person	Alpha 20	Enterable; Modifiable
Phone Number	Alpha 20	Enterable; Modifiable
E-Mail Address	Alpha 20	Enterable; Modifiable
Fax Number	Alpha 20	Enterable; Modifiable
Advertiser ID No.	Alpha 20	Enterable; Modifiable
Ad Agent for Mfr. #1	Alpha 20	Enterable; Modifiable
Ad Agent for Mfr. #2	Alpha 20	Enterable; Modifiable
Ad Agent for Mfr. #3	Alpha 20	Enterable; Modifiable
Ad Agent for Mfr. #4	Alpha 20	Enterable; Modifiable
Ad Agent for Mfr. #5	Alpha 20	Enterable; Modifiable
Ad Agent for Mfr. #6	Alpha 20	Enterable; Modifiable
Ad Agent for Mfr. #7	Alpha 20	Enterable; Modifiable
Ad Agent for Mfr. #8	Alpha 20	Enterable; Modifiable
Ad Agent for Mfr. #9	Alpha 20	Enterable; Modifiable
Total # Mfr. Agency Relations	Alpha 20	Enterable; Modifiable
Ad Agent For Retailer #1	Alpha 20	Enterable; Modifiable
Ad Agent for Retailer #2	Alpha 20	Enterable; Modifiable
Ad Agent for Retailer #3	Alpha 20	Enterable; Modifiable
Ad Agent for Retailer #4	Alpha 20	Enterable; Modifiable
Ad Agent for Retailer #5	Alpha 20	Enterable; Modifiable
Ad Agent for Retailer #6	Alpha 20	Enterable; Modifiable
Ad Agent for Retailer #7	Alpha 20	Enterable; Modifiable
Ad Agent for Retailer #8	Alpha 20	Enterable; Modifiable
Ad Agent for Retailer #9	Alpha 20	Enterable; Modifiable
Ad Agent for Retailer #10	Alpha 20	Enterable; Modifiable
Total # Rtlr. Agency Relations	Alpha 20	Enterable; Modifiable
URL for Advertiser WWW Site	Alpha 20	Enterable; Modifiable
Advertiser Network Acct. No.	Alpha 20	Enterable; Modifiable
Advertiser Network Password	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Indexed; Enterable; Modifiable

FIG. 15 I

120/173

Structure: Promoter

Promoter Name	Alpha 20	Enterable; Modifiable
Street Address	Alpha 20	Enterable; Modifiable
City	Alpha 20	Enterable; Modifiable
State	Alpha 20	Enterable; Modifiable
Postal Code	Alpha 20	Enterable; Modifiable
Contact Person	Alpha 20	Enterable; Modifiable
Phone Number	Alpha 20	Enterable; Modifiable
E-Mail Address	Alpha 20	Enterable; Modifiable
Fax Number	Alpha 20	Enterable; Modifiable
Promoter ID No.	Alpha 20	Enterable; Modifiable
Promo Agent for Mfgr. #1	Alpha 20	Enterable; Modifiable
Promo Agent for Mfgr. #2	Alpha 20	Enterable; Modifiable
Promo Agent for Mfgr. #3	Alpha 20	Enterable; Modifiable
Promo Agent for Mfgr. #4	Alpha 20	Enterable; Modifiable
Promo Agent for Mfgr. #5	Alpha 20	Enterable; Modifiable
Promo Agent for Mfgr. #6	Alpha 20	Enterable; Modifiable
Promo Agent for Mfgr. #7	Alpha 20	Enterable; Modifiable
Promo Agent for Mfgr. #8	Alpha 20	Enterable; Modifiable
Promo Agent for Mfgr. #9	Alpha 20	Enterable; Modifiable
Total # Mfgr. Agency Relations	Alpha 20	Enterable; Modifiable
Promo Agent For Rtrr. #1	Alpha 20	Enterable; Modifiable
Promo Agent For Rtrr. #2	Alpha 20	Enterable; Modifiable
Promo Agent For Rtrr. #3	Alpha 20	Enterable; Modifiable
Promo Agent For Rtrr. #4	Alpha 20	Enterable; Modifiable
Promo Agent For Rtrr. #5	Alpha 20	Enterable; Modifiable
Promo Agent For Rtrr. #6	Alpha 20	Enterable; Modifiable
Promo Agent For Rtrr. #7	Alpha 20	Enterable; Modifiable
Promo Agent For Rtrr. #8	Alpha 20	Enterable; Modifiable
Promo Agent For Rtrr. #9	Alpha 20	Enterable; Modifiable
Promo Agent For Rtrr. #10	Alpha 20	Enterable; Modifiable
Total # Rtrr. Agency Relations	Alpha 20	Enterable; Modifiable
URL for Promoter WWW Site	Alpha 20	Enterable; Modifiable
Promoter Network Acct. No.	Alpha 20	Enterable; Modifiable
Promoter Network Password	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG. 15J

12/173

Structure: Physical Kiosk

Physical Kiosk ID No.	Alpha 20	Enterable; Modifiable
Retail P-Store ID No.	Alpha 20	Enterable; Modifiable
Physical Kiosk HTTP Server URL	Alpha 20	Enterable; Modifiable
Assigned Static IP Address	Alpha 20	Enterable; Modifiable
P-Kiosk Aisle/Shelf Location	Alpha 20	Enterable; Modifiable
Physical Kiosk Access Password	Alpha 20	Enterable; Modifiable
CPI Request Service Status	Alpha 20	Enterable; Modifiable
Ad Display Service Status	Alpha 20	Enterable; Modifiable
Promotion Service Status	Alpha 20	Enterable; Modifiable
Kiosk Activity Index No. 1	Alpha 20	Enterable; Modifiable
Kiosk Activity Index No. 2	Alpha 20	Enterable; Modifiable
Kiosk Activity Index No. 3	Alpha 20	Enterable; Modifiable
Kiosk Activity Index No. 4	Alpha 20	Enterable; Modifiable
Kiosk Activity Index No. 5	Alpha 20	Enterable; Modifiable
Status of Retailer's MIN Filter	Alpha 20	Enterable; Modifiable
Cost of Kiosk Ad Spot on Monday	Alpha 20	Enterable; Modifiable
Cost of Kiosk Ad Spot on Tues.	Alpha 20	Enterable; Modifiable
Cost of Kiosk Ad Spot on Wed.	Alpha 20	Enterable; Modifiable
Cost of Kiosk Ad Spot on Thurs.	Alpha 20	Enterable; Modifiable
Cost of Kiosk Ad Spot on Fri.	Alpha 20	Enterable; Modifiable
Cost of Kiosk Ad Spot on Sat.	Alpha 20	Enterable; Modifiable
Cost of Kiosk Ad Spot on Sun.	Alpha 20	Enterable; Modifiable
Cost of Kiosk Ad Promo on Mon.	Alpha 20	Enterable; Modifiable
Cost of Kiosk Ad Promo on Tues.	Alpha 20	Enterable; Modifiable
Cost of Kiosk Ad Promo on Wed.	Alpha 20	Enterable; Modifiable
Cost of Kiosk Ad Promo on Thur.	Alpha 20	Enterable; Modifiable
Cost of Kiosk Ad Promo on Fri.	Alpha 20	Enterable; Modifiable
Cost of Kiosk Ad Promo on Sat.	Alpha 20	Enterable; Modifiable
Cost of Kiosk Ad Promo on Sun.	Alpha 20	Enterable; Modifiable
CPIR Request Service GUI Type	Alpha 20	Enterable; Modifiable
Ad Display Service GUI Type	Alpha 20	Enterable; Modifiable
Promo Service GUI Type	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG. 15K

122/193

Structure: Retailer Physical Store

Retail ID No.	Alpha 20	Enterable; Modifiable
Address	Alpha 20	Enterable; Modifiable
City	Alpha 20	Enterable; Modifiable
State	Alpha 20	Enterable; Modifiable
Postal Code	Alpha 20	Enterable; Modifiable
Country	Alpha 20	Enterable; Modifiable
Retail P-Store ID No.	Alpha 20	Enterable; Modifiable
Store Manager Identity	Alpha 20	Enterable; Modifiable
Store Manager Phone	Alpha 20	Enterable; Modifiable
Store Manager E-Mail	Alpha 20	Enterable; Modifiable
Regional Manager Identity	Alpha 20	Enterable; Modifiable
Regional Manager Phone	Alpha 20	Enterable; Modifiable
Regional Manager E-Mail	Alpha 20	Enterable; Modifiable
Number of Store Aisles	Alpha 20	Enterable; Modifiable
Number of Floors	Alpha 20	Enterable; Modifiable
Floor Plan Diagrams	Alpha 20	Enterable; Modifiable
Product Category/Shelf Maps	Alpha 20	Enterable; Modifiable
Available Internet Connectivity	Alpha 20	Enterable; Modifiable
Retailer/Manufacturer Relations	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable
	Alpha 20	Enterable; Modifiable

FIG. 15L

Structure: Physical Kiosk HTTP Server

Physical Kiosk HTTP Server URL	Alpha 20	Enterable; Modifiable
Physical Kiosk HTTP Server Log	Alpha 20	Enterable; Modifiable
Physical Kiosk ID No.	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG. 15M

Structure: Retailer's Physical Kiosk Cat.

Retail P-Store ID No.	Alpha 20	Enterable; Modifiable
Physical Kiosk ID No. 1	Alpha 20	Enterable; Modifiable
Physical Kiosk ID No. 2	Alpha 20	Enterable; Modifiable
Physical Kiosk ID No. 3	Alpha 20	Enterable; Modifiable
Physical Kiosk ID No. 4	Alpha 20	Enterable; Modifiable
Physical Kiosk ID No. 5	Alpha 20	Enterable; Modifiable
Physical Kiosk ID No. 6	Alpha 20	Enterable; Modifiable
Physical Kiosk ID No. 7	Alpha 20	Enterable; Modifiable
Physical Kiosk ID No. 8	Alpha 20	Enterable; Modifiable
Physical Kiosk ID No. 9	Alpha 20	Enterable; Modifiable
Total # of Physical Kiosks	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG. 15N

123/173

Structure: Physical Kiosk E-Mail

Physical Kiosk ID No.	Alpha 20	Enterable; Modifiable
Physical Kiosk E-Mail Log	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG. 150

Structure: Physical Kiosk User Activity

Date(s) of Activity Measurement	Alpha 20	Enterable; Modifiable
Physical Kiosk ID No.	Alpha 20	Enterable; Modifiable
Number of HTML Pages Accessed	Alpha 20	Enterable; Modifiable
Number of UPC Requests at Kiosk	Alpha 20	Enterable; Modifiable
Different HTML Pages Served-Up	Alpha 20	Enterable; Modifiable
Outgoing E-Mail Transmissions	Alpha 20	Enterable; Modifiable
System Mode Transitions	Alpha 20	Enterable; Modifiable
E-Commerce Transactions Made	Alpha 20	Enterable; Modifiable
Number of UPC Requests at Kiosk	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG. 15P

Structure: Ad Spot Order --Virtual Kiosk

UPN of Advertised Product	Alpha 20	Enterable; Modifiable
Virtual Kiosk ID No.	Alpha 20	Enterable; Modifiable
Scheduled Date of Ad Spot	Alpha 20	Enterable; Modifiable
Advertiser Placing Order	Alpha 20	Enterable; Modifiable
Date of Ad Spot Order	Alpha 20	Enterable; Modifiable
Advertiser ID No.	Alpha 20	Enterable; Modifiable
Cost of Ad Spot	Alpha 20	Enterable; Modifiable
URL of Advertisement Spot	Alpha 20	Enterable; Modifiable
Time Duration of Ad Spot	Alpha 20	Enterable; Modifiable
Copyright Owner of Advertisemen	Alpha 20	Enterable; Modifiable
Ordered Number of Displays/Date	Alpha 20	Enterable; Modifiable
File Format of Advertisement	Alpha 20	Enterable; Modifiable
Virtual Kiosk Ad Spot ID No.	Alpha 20	Enterable; Modifiable
Actual Number of Displays/Date	Alpha 20	Enterable; Modifiable
Actual Number of Interruptions	Alpha 20	Enterable; Modifiable
Ad Spot Cost	Alpha 20	Enterable; Modifiable
Date of Ad Payment	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG. 15Q

124/173

Structure: Ad Spot Order-- Physical Kiosk

UPN of Advertised Product	Alpha 20	Enterable; Modifiable
Physical Kiosk ID No.	Alpha 20	Enterable; Modifiable
Scheduled Date of Ad Spot	Alpha 20	Enterable; Modifiable
Advertiser Placing Order	Alpha 20	Enterable; Modifiable
Date of Ad Campaign	Alpha 20	Enterable; Modifiable
Advertiser ID No.	Alpha 20	Enterable; Modifiable
Cost Ad Spot	Alpha 20	Enterable; Modifiable
URL of Advertisement Spot	Alpha 20	Enterable; Modifiable
Time Duration of Ad Spot	Alpha 20	Enterable; Modifiable
Copyright Owner of Advertisement	Alpha 20	Enterable; Modifiable
Ordered Number of Displays/Date	Alpha 20	Enterable; Modifiable
File Format of Advertisement	Alpha 20	Enterable; Modifiable
Physical Kiosk Ad Spot ID No.	Alpha 20	Enterable; Modifiable
Actual Number of Displays/Date	Alpha 20	Enterable; Modifiable
Actual Number of Interruptions	Alpha 20	Enterable; Modifiable
Ad Spot Payment	Alpha 20	Enterable; Modifiable
Date of Ad Spot Payment	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG. 15R

Structure: Promo Spot Order- Physical Kiosk

UPN of Promoted Product	Alpha 20	Enterable; Modifiable
Physical Kiosk ID No.	Alpha 20	Enterable; Modifiable
Scheduled Date of Promo Spot	Alpha 20	Enterable; Modifiable
Promoter Placing Order	Alpha 20	Enterable; Modifiable
Date of Promo Spot Order	Alpha 20	Enterable; Modifiable
Promoter ID No.	Alpha 20	Enterable; Modifiable
URL of Promotional Ad in DF1	Alpha 20	Enterable; Modifiable
Promotional Message in DF2	Alpha 20	Enterable; Modifiable
Promotional Message in DF3	Alpha 20	Enterable; Modifiable
Promotional Message in DF4	Alpha 20	Enterable; Modifiable
Promotional Message in DF5	Alpha 20	Enterable; Modifiable
Time Duration of Promotion Spot	Alpha 20	Enterable; Modifiable
Copyright Owner of Promo Ad	Alpha 20	Enterable; Modifiable
Ordered Number of Displays/Date	Alpha 20	Enterable; Modifiable
File Format of Promotional Ad	Alpha 20	Enterable; Modifiable
Physical Kiosk Promo Spot ID No	Alpha 20	Enterable; Modifiable
Actual Number of Displays/Date	Alpha 20	Enterable; Modifiable
Actual Number of Interruptions	Alpha 30	Enterable; Modifiable
Cost of Promo Spot	Alpha 20	Enterable; Modifiable
Promo Spot Payment	Alpha 20	Enterable; Modifiable
Date of Promo Spot Payment	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG. 15S

125/193

Structure: Physical Kiosk Ad Campaign

Physical Kiosk ID No.	Alpha 20	Enterable; Modifiable
Date of Ad Campaign	Alpha 20	Enterable; Modifiable
Ad Spot ID No.1	Alpha 20	Enterable; Modifiable
Ad Spot ID No.2	Alpha 20	Enterable; Modifiable
Ad Spot ID No. 3	Alpha 20	Enterable; Modifiable
Ad Spot ID No.4	Alpha 20	Enterable; Modifiable
Ad Spot ID No.5	Alpha 20	Enterable; Modifiable
Ad Spot ID No.6	Alpha 20	Enterable; Modifiable
Ad Spot ID No.7	Alpha 20	Enterable; Modifiable
Ad Spot ID No.8	Alpha 20	Enterable; Modifiable
Ad Spot ID No.9	Alpha 20	Enterable; Modifiable
Ad Spot ID No.10	Alpha 20	Enterable; Modifiable
Total Ad Spots Ordered On Kiosk	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG. 15 T

Structure: Physical Kiosk Promo Campaign

Physical Kiosk ID No.	Alpha 20	Enterable; Modifiable
Date of Promo Campaign	Alpha 20	Enterable; Modifiable
Physical Kiosk Promo Spot ID No	Alpha 20	Enterable; Modifiable
Physical Kiosk Promo Spot ID No	Alpha 20	Enterable; Modifiable
Physical Kiosk Promo Spot ID No	Alpha 20	Enterable; Modifiable
Physical Kiosk Promo Spot ID No	Alpha 20	Enterable; Modifiable
Physical Kiosk Promo Spot ID No	Alpha 20	Enterable; Modifiable
Physical Kiosk Promo Spot ID No	Alpha 20	Enterable; Modifiable
Physical Kiosk Promo Spot ID No	Alpha 20	Enterable; Modifiable
Physical Kiosk Promo Spot ID No	Alpha 20	Enterable; Modifiable
Physical Kiosk Promo Spot ID No	Alpha 20	Enterable; Modifiable
Total Ad Spots Ordered	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG. 15 U

126/173

Structure: Virtual Kiosk

Virtual Kiosk ID No.	Alpha 20	Enterable; Modifiable
Retail P-Store or E-Store ID No	Alpha 20	Enterable; Modifiable
Type of Virtual Kiosk	Alpha 20	Enterable; Modifiable
CPIR-Enabling Applet ID No.	Alpha 20	Enterable; Modifiable
Licensed Internet Domain	Alpha 20	Enterable; Modifiable
Virtual Kiosk Licensee (eg. retailer, mfg, et al.)	Alpha 20	Enterable; Modifiable
Virtual Kiosk Enabling Password	Alpha 20	Enterable; Modifiable
E-Store Web-Page Location	Alpha 20	Enterable; Modifiable
CPI Request Service Status	Alpha 20	Enterable; Modifiable
AD Display Service Status	Alpha 20	Enterable; Modifiable
Promotion Service Status	Alpha 20	Enterable; Modifiable
Kiosk Activity Index No. 1	Alpha 20	Enterable; Modifiable
Kiosk Activity Index No. 2	Alpha 20	Enterable; Modifiable
Kiosk Activity Index No. 3	Alpha 20	Enterable; Modifiable
Kiosk Activity Index No. 4	Alpha 20	Enterable; Modifiable
Status of Retailer MIN Filter	Alpha 20	Enterable; Modifiable
Cost of Kiosk Ad Spot on Mon.	Alpha 20	Enterable; Modifiable
Cost of Kiosk Ad Spot on Tues.	Alpha 20	Enterable; Modifiable
Cost of Kiosk Ad Spot on Wed.	Alpha 20	Enterable; Modifiable
Cost of Kiosk Ad Spot on Thurs.	Alpha 20	Enterable; Modifiable
Cost of Kiosk Ad Spot on Fri.	Alpha 20	Enterable; Modifiable
Cost of Kiosk Ad Spot on Sat.	Alpha 20	Enterable; Modifiable
Cost of Kiosk Ad Spot on Sun.	Alpha 20	Enterable; Modifiable
Cost of Kiosk Promo Spot on Mon	Alpha 20	Enterable; Modifiable
Cost of Kiosk Promo Spot on Tue	Alpha 20	Enterable; Modifiable
Cost of Kiosk Promo Spot on Wed	Alpha 20	Enterable; Modifiable
Cost of Kiosk Promo Spot on Thu	Alpha 20	Enterable; Modifiable
Cost of Kiosk Promo Spot on Fri	Alpha 20	Enterable; Modifiable
Cost of Kiosk Promo Spot on Sat	Alpha 20	Enterable; Modifiable
Cost of Kiosk Promo Spot on Sun	Alpha 20	Enterable; Modifiable
URL for Accessing Virtual Kiosk	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG. 15 V

Structure: CPIR-enabling Applet

CPIR-Enabling Applet ID No.	Alpha 20	Enterable; Modifiable
Type of CPIR-Enabling Applet	Alpha 20	Enterable; Modifiable
URL of CPIR-Enabling Applet BC	Alpha 20	Enterable; Modifiable
Virtual Kiosk ID No.	Alpha 20	Enterable; Modifiable
Virtual Kiosk Server Log	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG. 15 W

127/173

Structure: Retailer E-Store		
Retailer ID No.	Alpha 20	Enterable; Modifiable
Address	Alpha 20	Enterable; Modifiable
City	Alpha 20	Enterable; Modifiable
State	Alpha 20	Enterable; Modifiable
Postal Code	Alpha 20	Enterable; Modifiable
Country	Alpha 20	Enterable; Modifiable
Retail E-Store ID No.	Alpha 20	Enterable; Modifiable
E-Store Manager Identity	Alpha 20	Enterable; Modifiable
E-Store Manager Phone	Alpha 20	Enterable; Modifiable
E-Store Manager E-Mail	Alpha 20	Enterable; Modifiable
E-Store WWW Site Map	Alpha 20	Enterable; Modifiable
Retailer/Manufacturer Relations	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG. 15X

Structure: Retailer's Virtual Kiosk Cat.		
Retail P-Store ID No.	Alpha 20	Enterable; Modifiable
Virtual Kiosk ID No. 1	Alpha 20	Enterable; Modifiable
Virtual Kiosk ID No. 2	Alpha 20	Enterable; Modifiable
Virtual Kiosk ID No. 3	Alpha 20	Enterable; Modifiable
Virtual Kiosk ID No. 4	Alpha 20	Enterable; Modifiable
Virtual Kiosk ID No. 5	Alpha 20	Enterable; Modifiable
Virtual Kiosk ID No. 6	Alpha 20	Enterable; Modifiable
Virtual Kiosk ID No. 7	Alpha 20	Enterable; Modifiable
Virtual Kiosk ID No. 8	Alpha 20	Enterable; Modifiable
Virtual Kiosk ID No. 9	Alpha 20	Enterable; Modifiable
Total # of Virtual Kiosks	Alpha 20	Enterable; Modifiable
Retailer ID No.	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG. 15Y

Structure: Virtual Kiosk E-Mail		
Virtual Kiosk ID No.	Alpha 20	Enterable; Modifiable
Virtual Kiosk E-Mail Log	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG. 15Z

120/173

Structure: Virtual Kiosk User Activity		
Date(s) of Activity Measurement	Alpha 20	Enterable; Modifiable
Virtual Kiosk ID No.	Alpha 20	Enterable; Modifiable
Number of HTML Pages Accessed	Alpha 20	Enterable; Modifiable
Number of UPC Requests at Kiosk	Alpha 20	Enterable; Modifiable
Number of Trademark Requests	Alpha 20	Enterable; Modifiable
Different HTML Pages Served-Up	Alpha 20	Enterable; Modifiable
Outgoing E-Mail Transmissions	Alpha 20	Enterable; Modifiable
System Mode Transitions	Alpha 20	Enterable; Modifiable
E-Commerce Transactions Made	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG 15AA

Structure: Promo Spot Order--Virtual Kiosk		
UPN of Promoted Product	Alpha 20	Enterable; Modifiable
Virtual Kiosk ID No.	Alpha 20	Enterable; Modifiable
Scheduled Date of Promo Spot	Alpha 20	Enterable; Modifiable
Promoter Placing Order	Alpha 20	Enterable; Modifiable
Date of Promo Spot Order	Alpha 20	Enterable; Modifiable
Promoter ID No.	Alpha 20	Enterable; Modifiable
URL of Promotional Ad in DF1	Alpha 20	Enterable; Modifiable
Promotional Message in DF2	Alpha 20	Enterable; Modifiable
Promotional Message in DF3	Alpha 20	Enterable; Modifiable
Promotional Message in DF4	Alpha 20	Enterable; Modifiable
Promotional Message in DF5	Alpha 20	Enterable; Modifiable
Time Duration of Promotion Spot	Alpha 20	Enterable; Modifiable
Copyright Owner of Promo Ad	Alpha 20	Enterable; Modifiable
Ordered Number of Displays/Date	Alpha 20	Enterable; Modifiable
File Format of Promotional Ad	Alpha 20	Enterable; Modifiable
Virtual Kiosk Promo Spot ID No.	Alpha 20	Enterable; Modifiable
Actual Number of Displays/Date	Alpha 20	Enterable; Modifiable
Actual Number of Interruptions	Alpha 20	Enterable; Modifiable
Cost of Promo Spot	Alpha 20	Enterable; Modifiable
Promo Cost Payment	Alpha 20	Enterable; Modifiable
Date of Promo Payment	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG 15BB

121/173

Structure: Virtual Kiosk Promo Campaign

Virtual Kiosk ID No.	Alpha 20	Enterable; Modifiable
Date of Promo Campaign	Alpha 20	Enterable; Modifiable
Virtual Kiosk Promo Spot ID No.	Alpha 20	Enterable; Modifiable
Virtual Kiosk Promo Spot ID No.	Alpha 20	Enterable; Modifiable
Virtual Kiosk Promo Spot ID No.	Alpha 20	Enterable; Modifiable
Virtual Kiosk Promo Spot ID No.	Alpha 20	Enterable; Modifiable
Virtual Kiosk Promo Spot ID No.	Alpha 20	Enterable; Modifiable
Virtual Kiosk Promo Spot ID No.	Alpha 20	Enterable; Modifiable
Virtual Kiosk Promo Spot ID No.	Alpha 20	Enterable; Modifiable
Virtual Kiosk Promo Spot ID No.	Alpha 20	Enterable; Modifiable
Virtual Kiosk Promo Spot ID No.	Alpha 20	Enterable; Modifiable
Total Promo Spot Ordered	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG. 15CC

Structure: Virtual Kiosk Ad Campaign

Virtual Kiosk ID No.	Alpha 20	Enterable; Modifiable
Date of Ad Campaign	Alpha 20	Enterable; Modifiable
Virtual Kiosk Ad Spot ID No. 1	Alpha 20	Enterable; Modifiable
Virtual Kiosk Ad Spot ID No. 2	Alpha 20	Enterable; Modifiable
Virtual Kiosk Ad Spot ID No. 3	Alpha 20	Enterable; Modifiable
Virtual Kiosk Ad Spot ID No. 4	Alpha 20	Enterable; Modifiable
Virtual Kiosk Ad Spot ID No. 5	Alpha 20	Enterable; Modifiable
Virtual Kiosk Ad Spot ID No. 6	Alpha 20	Enterable; Modifiable
Virtual Kiosk Ad Spot ID No. 7	Alpha 20	Enterable; Modifiable
Virtual Kiosk Ad Spot ID No. 8	Alpha 20	Enterable; Modifiable
Virtual Kiosk Ad Spot ID No. 9	Alpha 20	Enterable; Modifiable
Virtual Kiosk Ad Spot ID No. 10	Alpha 20	Enterable; Modifiable
Total Ad Spots Ordered on Kiosk	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG. 15DD

Structure: Ad Credit --Physical Kiosk

Advertiser ID No.	Alpha 20	Enterable; Modifiable
Physical Kiosk ID No.	Alpha 20	Enterable; Modifiable
Physical Kiosk Ad Spot ID No.	Alpha 20	Enterable; Modifiable
UPN of Advertised Product	Alpha 20	Enterable; Modifiable
URL of Interrupted Ad	Alpha 20	Enterable; Modifiable
Date of Interruption	Alpha 20	Enterable; Modifiable
Time of Interruption	Alpha 20	Enterable; Modifiable
UPN of Interrupting Product	Alpha 20	Enterable; Modifiable
Amount of Ad Credit	Alpha 20	Enterable; Modifiable
Date of Record Creation	Alpha 20	Enterable; Modifiable

FIG. 15EE

130/173

Structure: Ad Credit --Virtual Kiosk		
Advertiser ID No.	Alpha 20	Enterable; Modifiable
Virtual Kiosk ID No.	Alpha 20	Enterable; Modifiable
Virtual Kiosk Ad Spot ID No.	Alpha 20	Enterable; Modifiable
URL of Advertised Product	Alpha 20	Enterable; Modifiable
URL of Interrupted Ad	Alpha 20	Enterable; Modifiable
Date of Interruption	Alpha 20	Enterable; Modifiable
Time of Interruption	Alpha 20	Enterable; Modifiable
UPN of Interrupting Product	Alpha 20	Enterable; Modifiable
Amount of Ad Credit	Alpha 20	Enterable; Modifiable
Date of Record Creation	Alpha 20	Enterable; Modifiable

FIG. 15FP

Structure: Promo Credit -- Physical Kiosk		
Advertiser ID No.	Alpha 20	Enterable; Modifiable
Physical Kiosk ID No.	Alpha 20	Enterable; Modifiable
Physical Kiosk Promo Spot ID No	Alpha 20	Enterable; Modifiable
UPN of Advertised Product	Alpha 20	Enterable; Modifiable
URL of Interrupted Promo	Alpha 20	Enterable; Modifiable
Date of Interruption	Alpha 20	Enterable; Modifiable
Time of Interruption	Alpha 20	Enterable; Modifiable
UPN of Interrupting Product	Alpha 20	Enterable; Modifiable
Amount of Promo Credit	Alpha 20	Enterable; Modifiable
Date of Record Creation	Alpha 20	Enterable; Modifiable

FIG. 15GG

Structure: Promo Credit -- Virtual Kiosk		
Advertiser Identification No.	Alpha 20	Enterable; Modifiable
Virtual Kiosk ID No.	Alpha 20	Enterable; Modifiable
Physical Kiosk Promo Spot ID No	Alpha 20	Enterable; Modifiable
UPN of Advertised Product	Alpha 20	Enterable; Modifiable
URL of Interrupted Promo	Alpha 20	Enterable; Modifiable
Date of Interruption	Alpha 20	Enterable; Modifiable
Time of Interruption	Alpha 20	Enterable; Modifiable
UPN of Interrupting Product	Alpha 20	Enterable; Modifiable
Amount of Promo Credit	Alpha 20	Enterable; Modifiable
Date of Record Creation	Alpha 20	Enterable; Modifiable

FIG. 15HH

131/173

Structure: Purchase at Physical Store

Retailer ID No.	Alpha 20	Enterable; Modifiable
Retail P-Store ID No.	Alpha 20	Enterable; Modifiable
UPN of Product Sold	Alpha 20	Enterable; Modifiable
Date of Product Sale	Alpha 20	Enterable; Modifiable
Time of Product Sale	Alpha 20	Enterable; Modifiable
Price of Sold Product	Alpha 20	Enterable; Modifiable
Customer ID No.	Alpha 20	Enterable; Modifiable
Credit Card No.	Alpha 20	Enterable; Modifiable
Retailer's Discount	Alpha 20	Enterable; Modifiable
Mfgr's Promo Discount	Alpha 20	Enterable; Modifiable
URL of Promo Advertisement	Alpha 20	Enterable; Modifiable
Date of Record Creation	Alpha 20	Enterable; Modifiable

FIG. 15 II

Structure: Purchase at E-Store

Retailer ID No.	Alpha 20	Enterable; Modifiable
Retail E-Store ID No.	Alpha 20	Enterable; Modifiable
UPN of Product Sold	Alpha 20	Enterable; Modifiable
Date of Product Sale	Alpha 20	Enterable; Modifiable
Time of Product Sale	Alpha 20	Enterable; Modifiable
Price of Sold Product	Alpha 20	Enterable; Modifiable
Customer ID No.	Alpha 20	Enterable; Modifiable
Credit Card No.	Alpha 20	Enterable; Modifiable
Retailer's Promo Discount	Alpha 20	Enterable; Modifiable
Mfgr's Promo Discount	Alpha 20	Enterable; Modifiable
URL of Promo Advertisement	Alpha 20	Enterable; Modifiable
Date of Record Creation	Alpha 20	Enterable; Modifiable

FIG. 15 JJ

Structure: Retailer/Mfgr. E-Store Relation

Retail E-Store ID No.	Alpha 20	Enterable; Modifiable
Manufacturer #1 ID No.	Alpha 20	Enterable; Modifiable
Manufacturer #2 ID No.	Alpha 20	Enterable; Modifiable
Manufacturer #3 ID No.	Alpha 20	Enterable; Modifiable
Manufacturer #4 ID No.	Alpha 20	Enterable; Modifiable
Manufacturer #5 ID No.	Alpha 20	Enterable; Modifiable
Manufacturer #6 ID No.	Alpha 20	Enterable; Modifiable
Manufacturer #7 ID No.	Alpha 20	Enterable; Modifiable
Manufacturer #8 ID No.	Alpha 20	Enterable; Modifiable
Manufacturer #9 ID No.	Alpha 20	Enterable; Modifiable
Manufacturer #10 ID No.	Alpha 20	Enterable; Modifiable
Total # Mfgr. Relationships	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG. 15 KK

132/173

Structure: Mfr. Shelf/Aisle Rights		
P-Gosk Aisle/Shelf Location	Alpha 20	Enterable; Modifiable
MIN of Mfr. #1	Alpha 20	Enterable; Modifiable
MIN of Mfr. #2	Alpha 20	Enterable; Modifiable
MIN of Mfr. #3	Alpha 20	Enterable; Modifiable
MIN of Mfr. #4	Alpha 20	Enterable; Modifiable
MIN of Mfr. #5	Alpha 20	Enterable; Modifiable
MIN of Mfr. #6	Alpha 20	Enterable; Modifiable
MIN of Mfr. #7	Alpha 20	Enterable; Modifiable
MIN of Mfr. #8	Alpha 20	Enterable; Modifiable
MIN of Mfr. #9	Alpha 20	Enterable; Modifiable
MIN of Mfr. #10	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG. 15 LL

Structure: Mfr. E-Store Web-Page Rights		
E-Store Web-Page Location	Alpha 20	Enterable; Modifiable
MIN of Mfr. #1	Alpha 20	Enterable; Modifiable
MIN of Mfr. #2	Alpha 20	Enterable; Modifiable
MIN of Mfr. #3	Alpha 20	Enterable; Modifiable
MIN of Mfr. #4	Alpha 20	Enterable; Modifiable
MIN of Mfr. #5	Alpha 20	Enterable; Modifiable
MIN of Mfr. #6	Alpha 20	Enterable; Modifiable
MIN of Mfr. #7	Alpha 20	Enterable; Modifiable
MIN of Mfr. #8	Alpha 20	Enterable; Modifiable
Date of Record Update	Alpha 20	Enterable; Modifiable

FIG. 15 MM

^{Mfr.}
(virtual shelf rights)
2157

133/173

Modes of Information Service in the CPI Link Creation, Management and Transport Subsystem (501)

- Registration of Manufacturer/Creation of Manufacturer Account
- Login by Manufacturer
- Download and Register UPN/TM/PD/URL Link
- Creation/Management/and Transport (LCMT) Software
- Installation and Set-Up UPN/TM/PD/URL LCMT Software Within Manufacturer's Enterprise
- Selection and Customizing UPN/TM/PD/URL LCMT GUI Design-
 - Manufacturer Customization Options;
 - Default CPI Categories for Linked URL,
 - Custom CPI Categories for Linked URL
- On-Line Training for UPN/TM/PD/URL LCMT Software
- Update Manufacturer Registration Information
- Certification of Manufacturer's Product Advertising Agents
- Certification of Manufacturer's Product Promotional Agents

FIG. 16

139/173

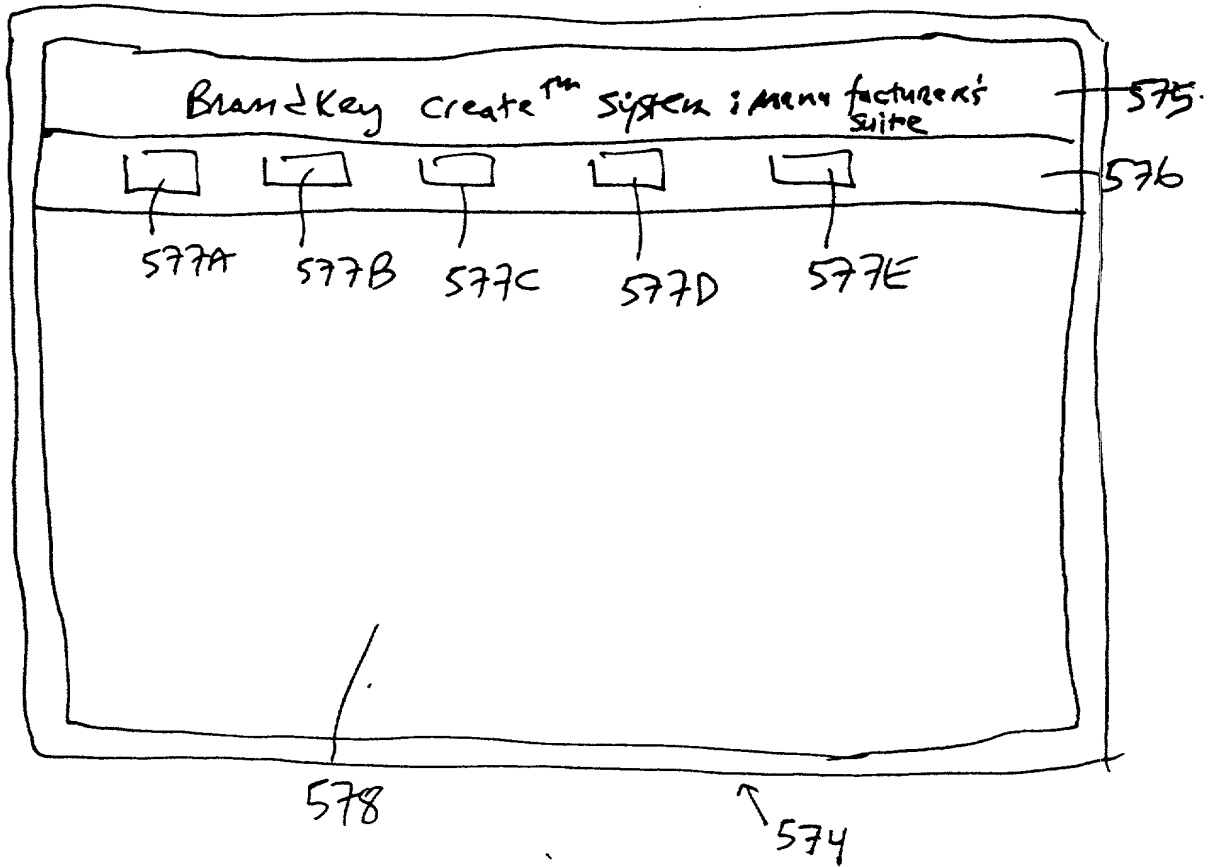


FIG. 16A

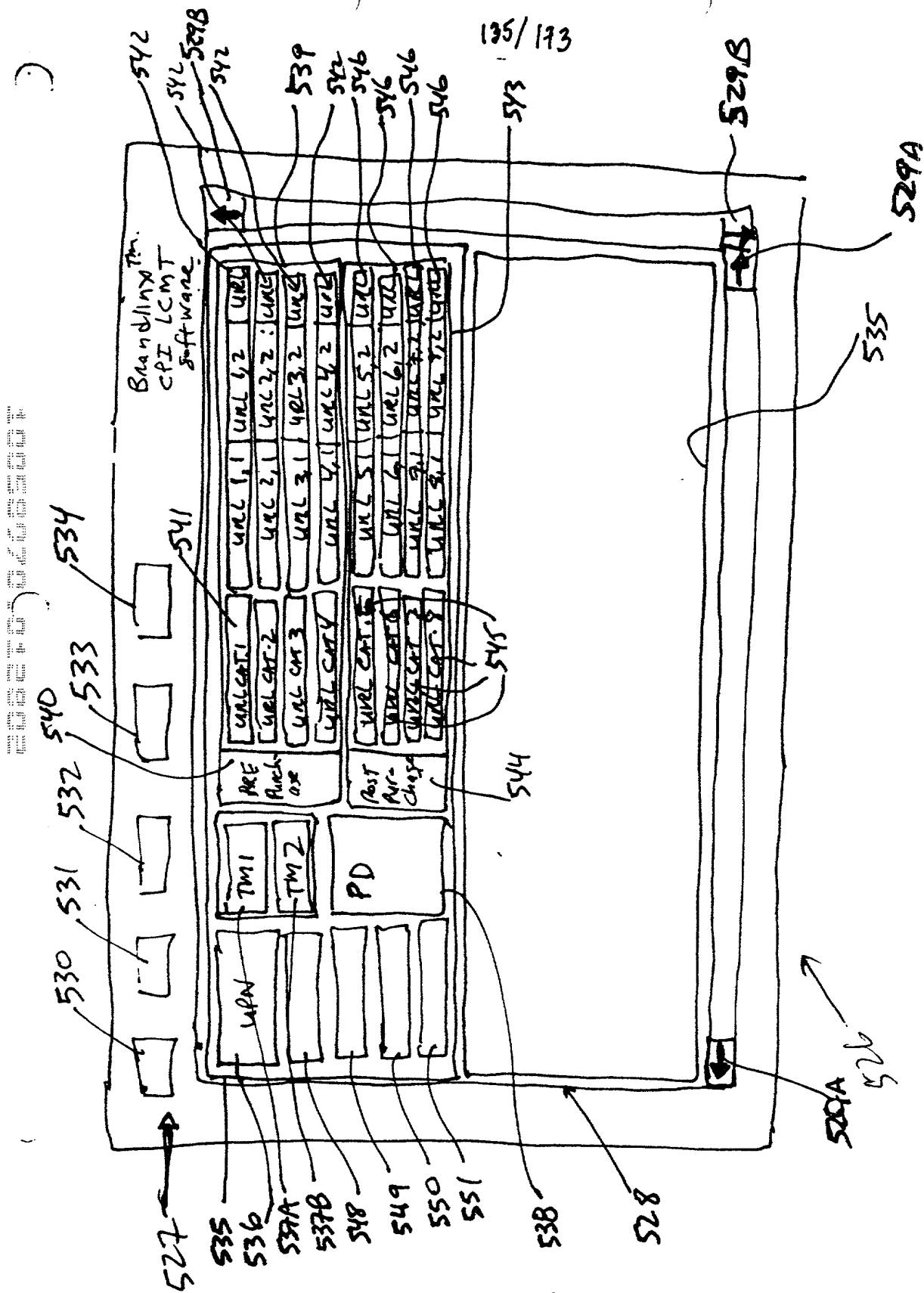


Fig. 17

DISTRIBUTED METHOD AND SYSTEM OF UPC/URL MANAGEMENT OVER A LAN OR WAN

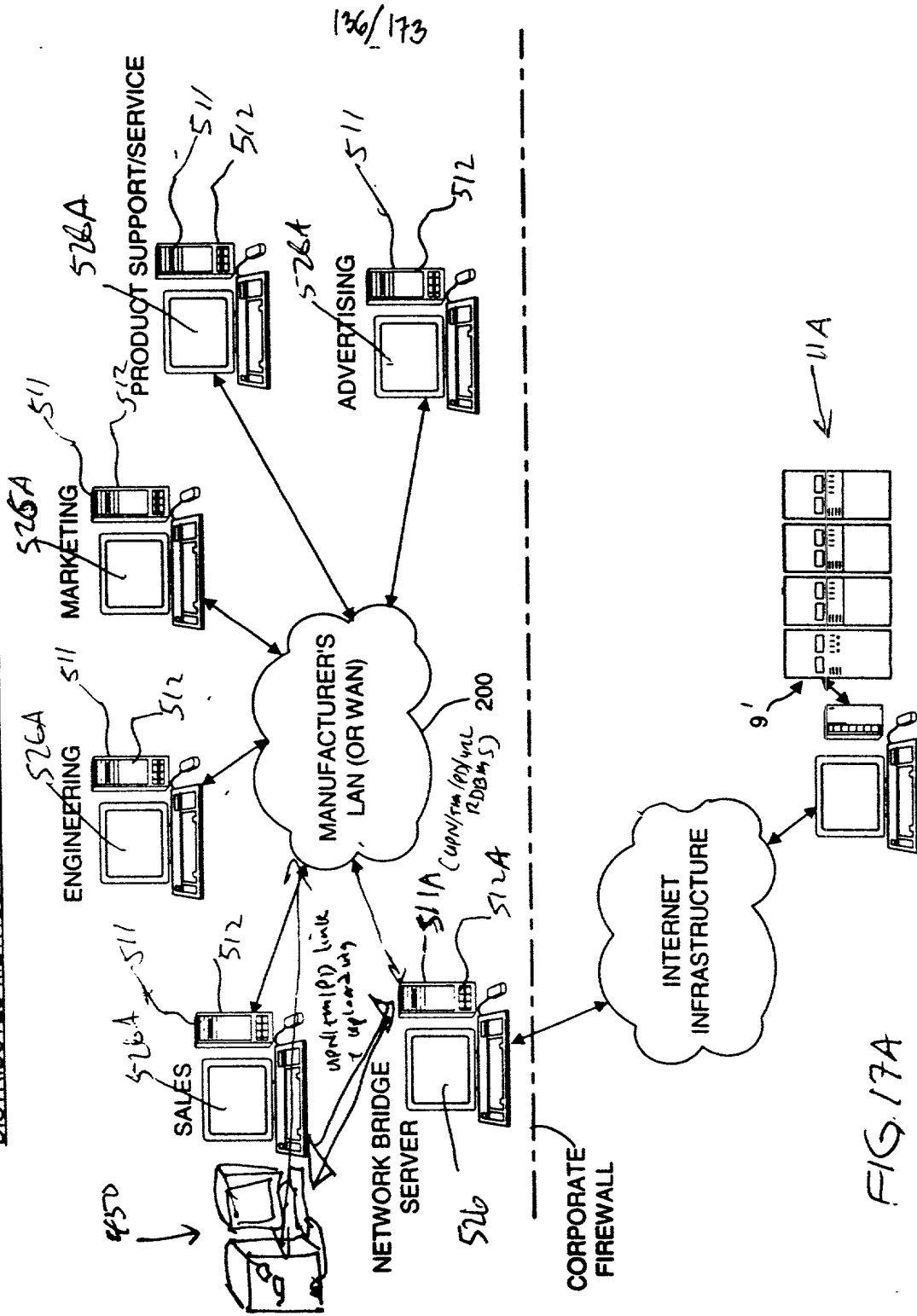
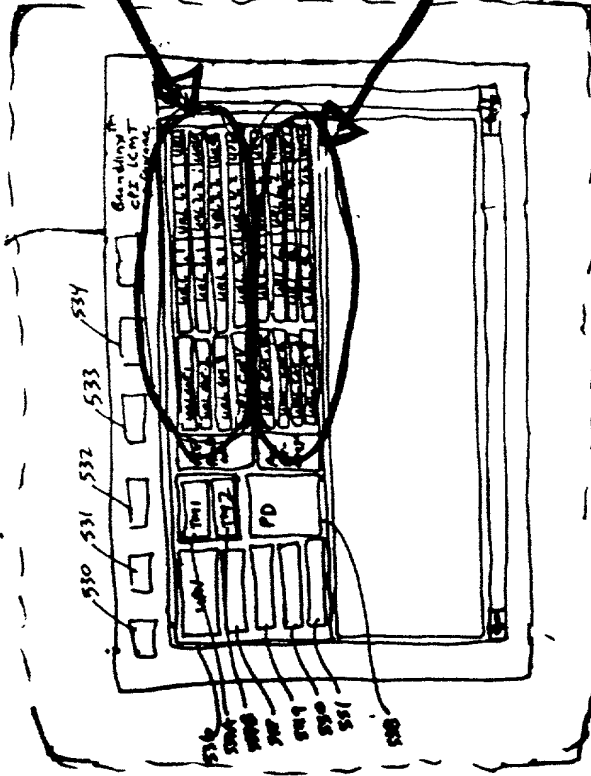


FIG. 17A

Distributed Method of

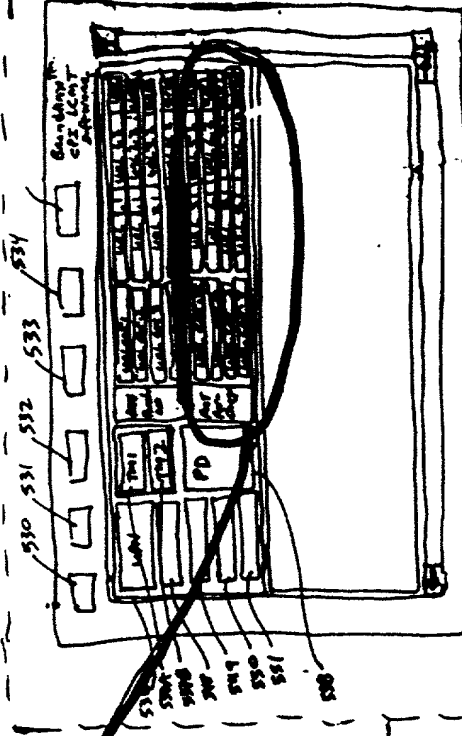
URL Category Management
within a Manufacturer Enterprise 512

Master UON/IM/URL
CMT GUI



137/133

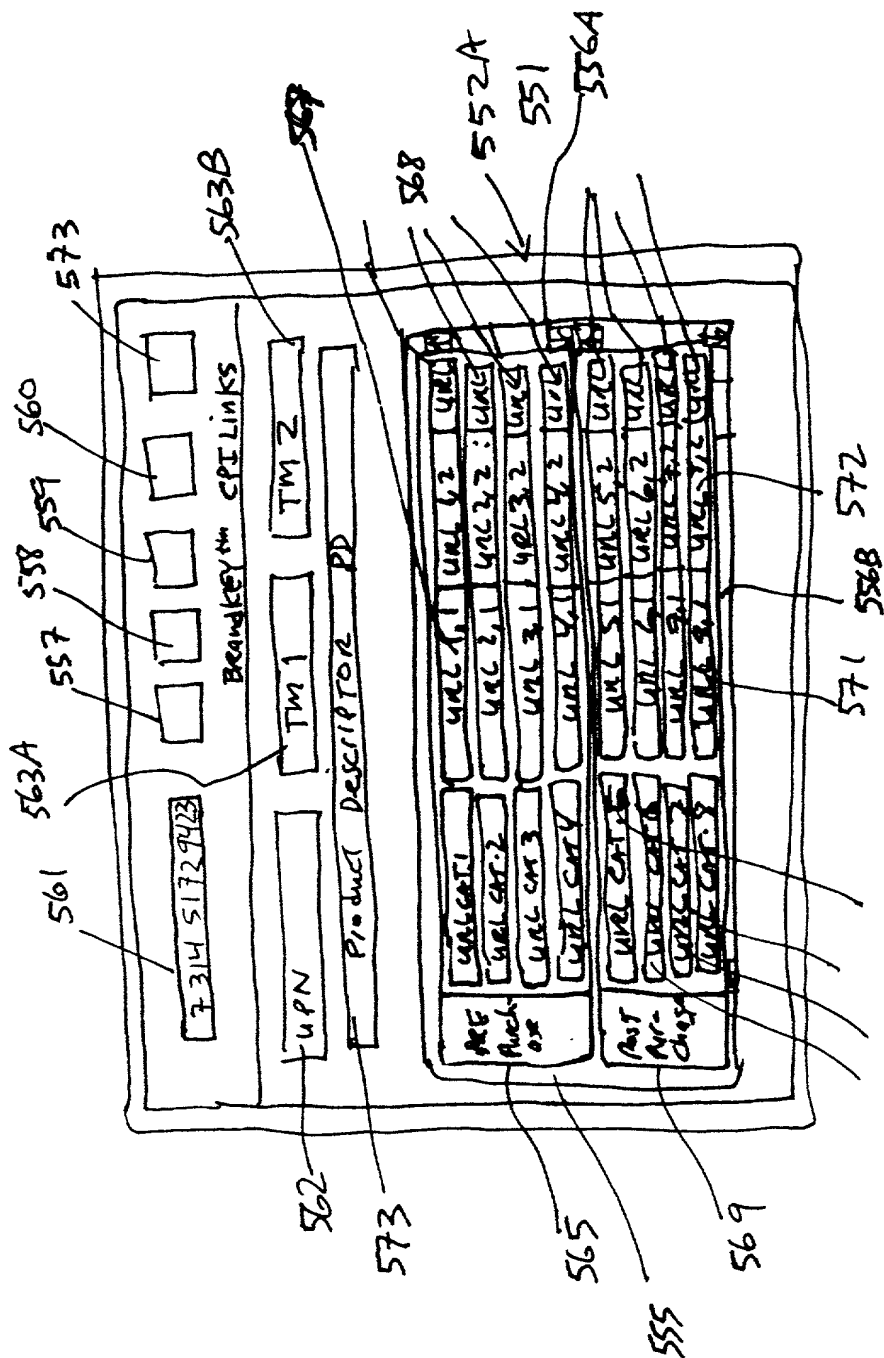
000



Department No. N1 Assigned
URL Category SET NO N

FIG. 17B

138/173



upN-Directed
search mode:
steps ~ Mode Selection, Data Entry +
Review, Display

← 552B

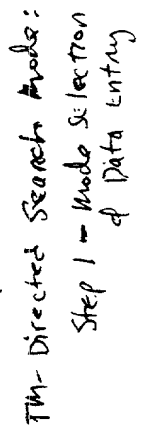
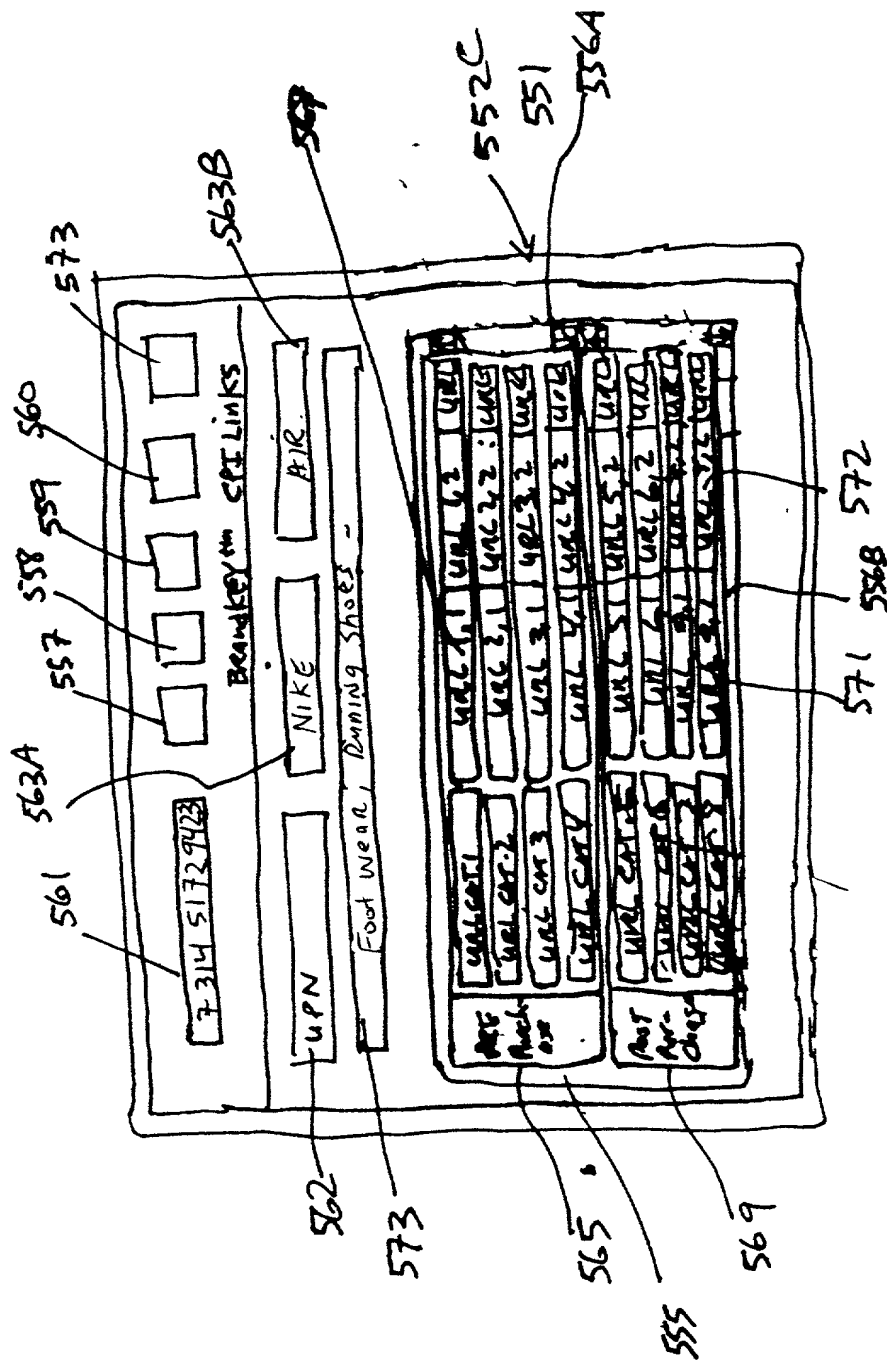


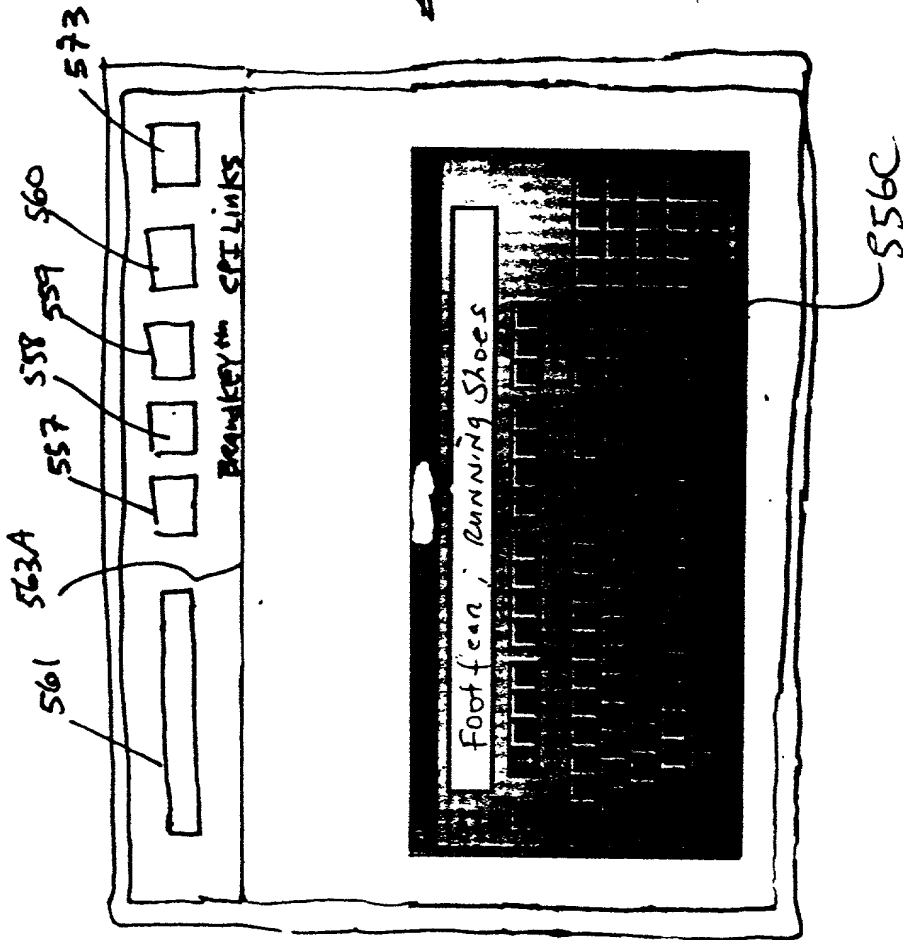
FIG. 18B1

140/173



TM-Directed
search mode!
Step 2 -- Record selection
 & Display

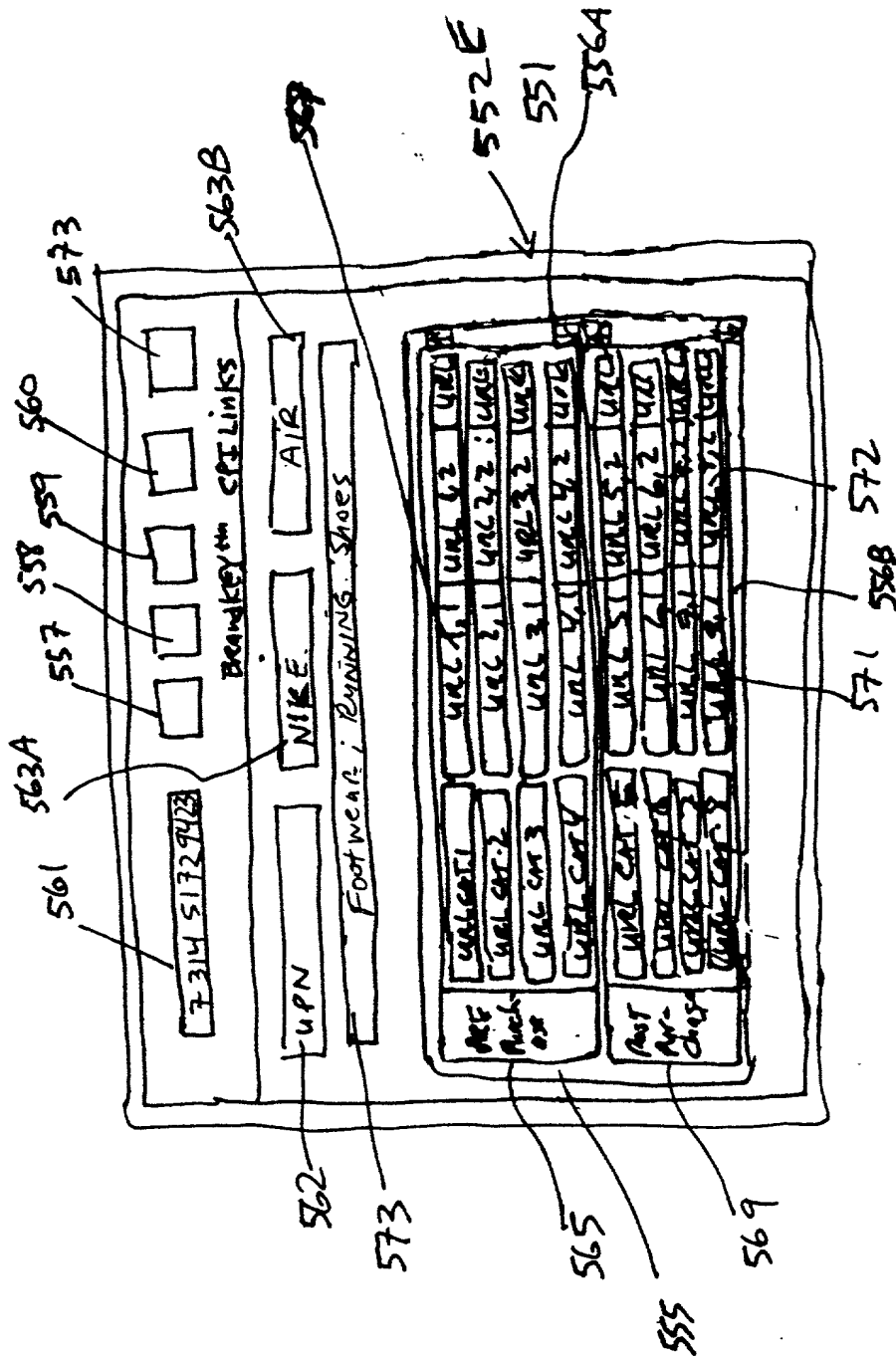
141/173



PD-Directed
Search Made:
Step 1 - Made selection
of Data entry

FIG. 18C1

142/173



PD-Directed
Search mode
Step 2: Record Selection
FIG. 18CZ

143/173

**Modes of Information Service in the CPI Kiosk Configuration, Deployment,
Management and Access Subsystem (504)**

Retailers (in physical and electronic streams of commerce)

- Registration of Retailer/Creation of Retailer Account
- Log-in by Retailer
- Update and Display Kiosk Deployment Directory –
- Select/order Physical and Virtual Kiosk for Deployment:
 - Specify Location of Kiosk Installation and Deployment
 - Selection of Information Services delivered by Deployed EPI Kiosk
 - Selection and customization of CPI Design- Kiosk GUI Design
- Registration of Manufacturer's Physical Aisle/Shelf Rights/Privileges on CPI Kiosks
- Certification of Retailer's Advertising Agents
- Certification of Retailer's Product Promotional Agents
- Monitoring Performance of Registered Retailer Advertising Agents
- Monitoring Performance of registered Retailer Promotional Agents

Consumers

- Registration of Consumer (for Retailer-Issued Courtesy Cards)
- Display of Kiosk Deployment Directories
 - Virtual CPI Kiosks Deployed in Retailer E-stores
 - Physical CPI Kiosks Deployed in Retailer P-Stores
 - Virtual CPI Kiosks Deployed on WWW
- Monitor consumer CPI E-Mail Transmissions from Subsystem

Fig. 19A

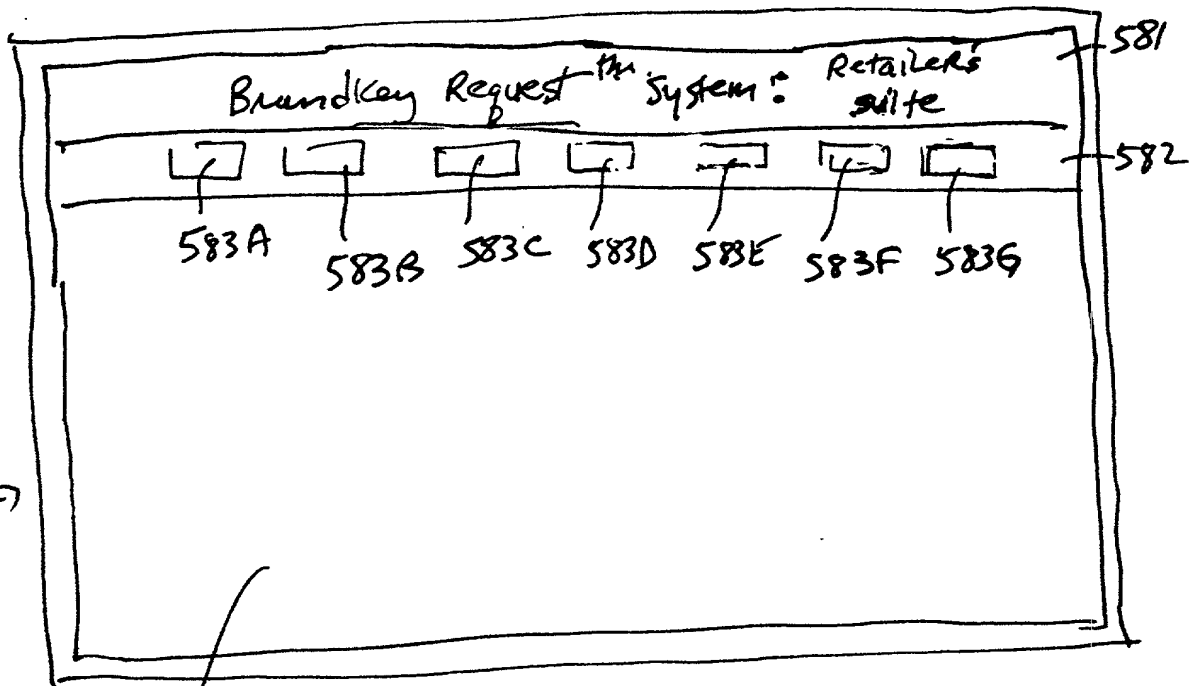
144/173

Manufacturer's (in electronic streams of commerce)

- Registration of Manufacture/Creation of Retailer Account
- Log-in by Manufacturer
 - Update and Display Manufacturer's Virtual Kiosk Deployment Directory –
- Select/order Virtual Kiosk for Deployment
 - Specify domain of Virtual kiosk Installation and Deployment
 - Selection of Information Services Delivered by Deployed Virtual CPI Kiosk
 - Selection and Customization of – Virtual CPI Kiosk GUI Design
- Registration of Manufacturer's Aisle/Shelf Rights/Privileges on CPI Kiosks
- Certification of Manufacturer's Advertising Agents
- Certification of Manufacturer's Product Promotional Agents
- Monitoring Performance of Certified/Registered Manufacturer's Advertising Agents
- Monitoring Performance of Certified/Registered Manufacturer's Promotional Agents

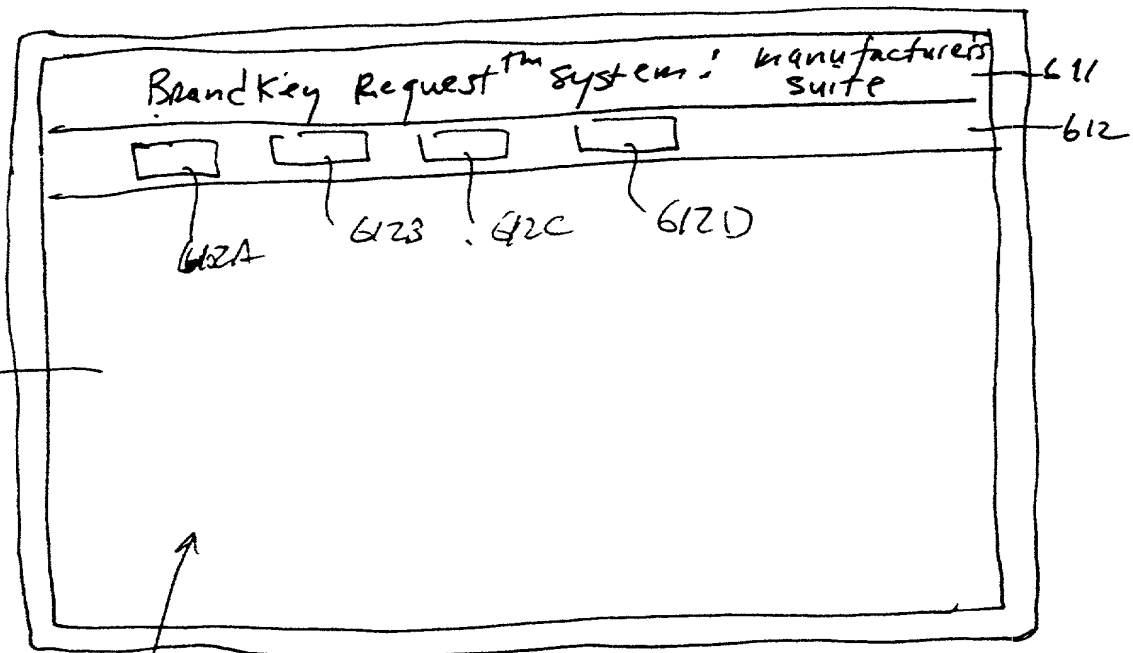
FIG 19B

145/173



584

FIG. 20A



613

FIG 20B

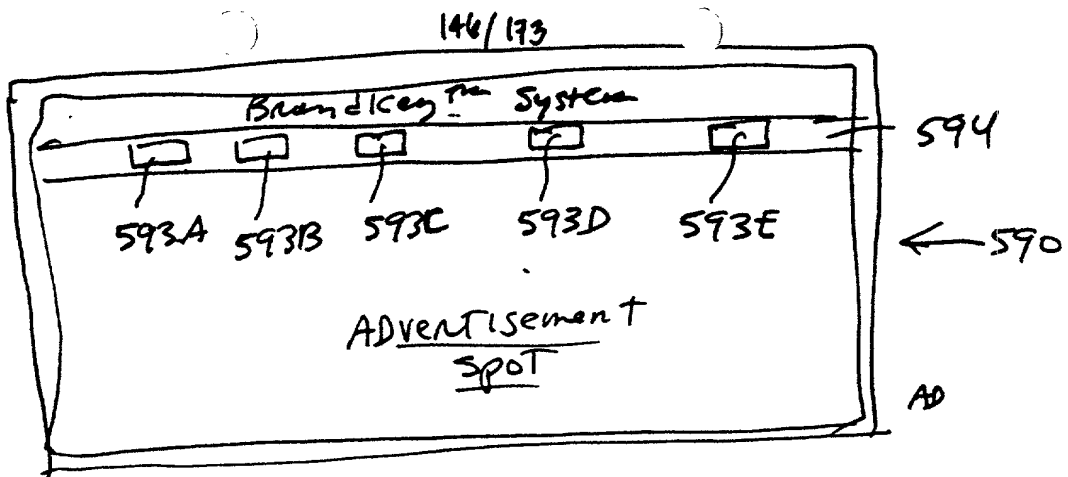


FIG. 21A

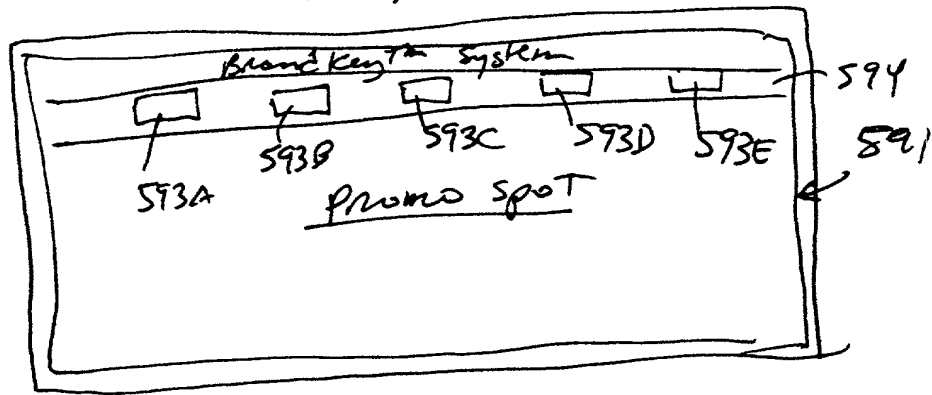


FIG. 21B

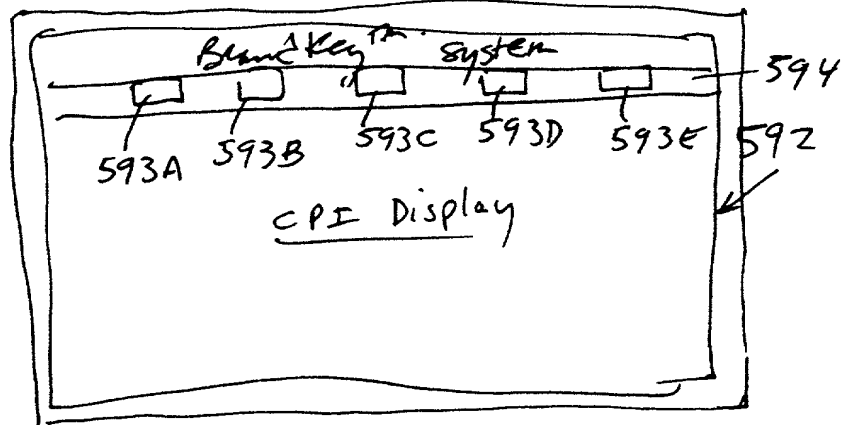


FIG. 21C

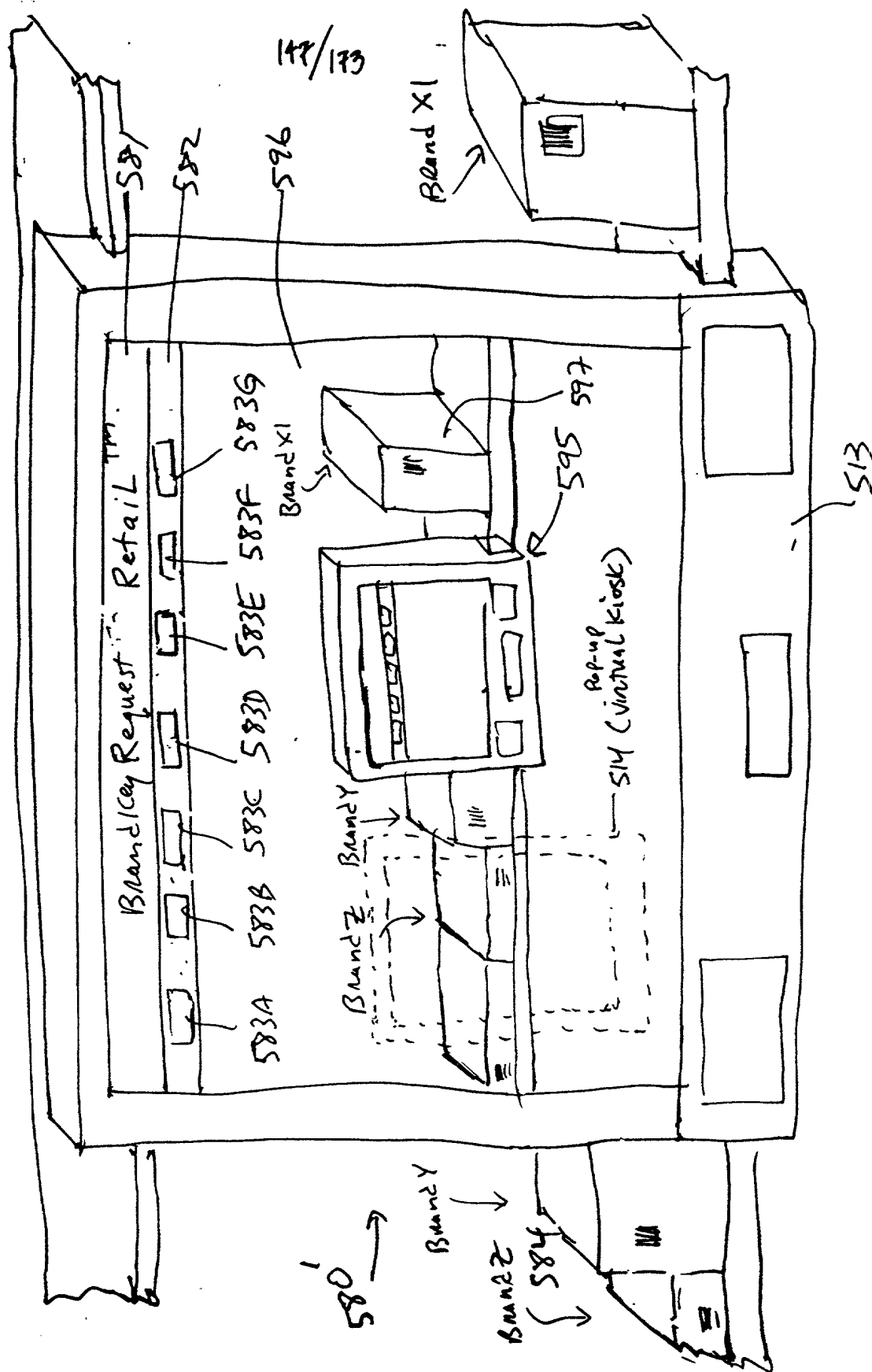


FIG. 22

FIG. 23

"Mfgn. Aisle/Shelf Reght./Miv. Registration"

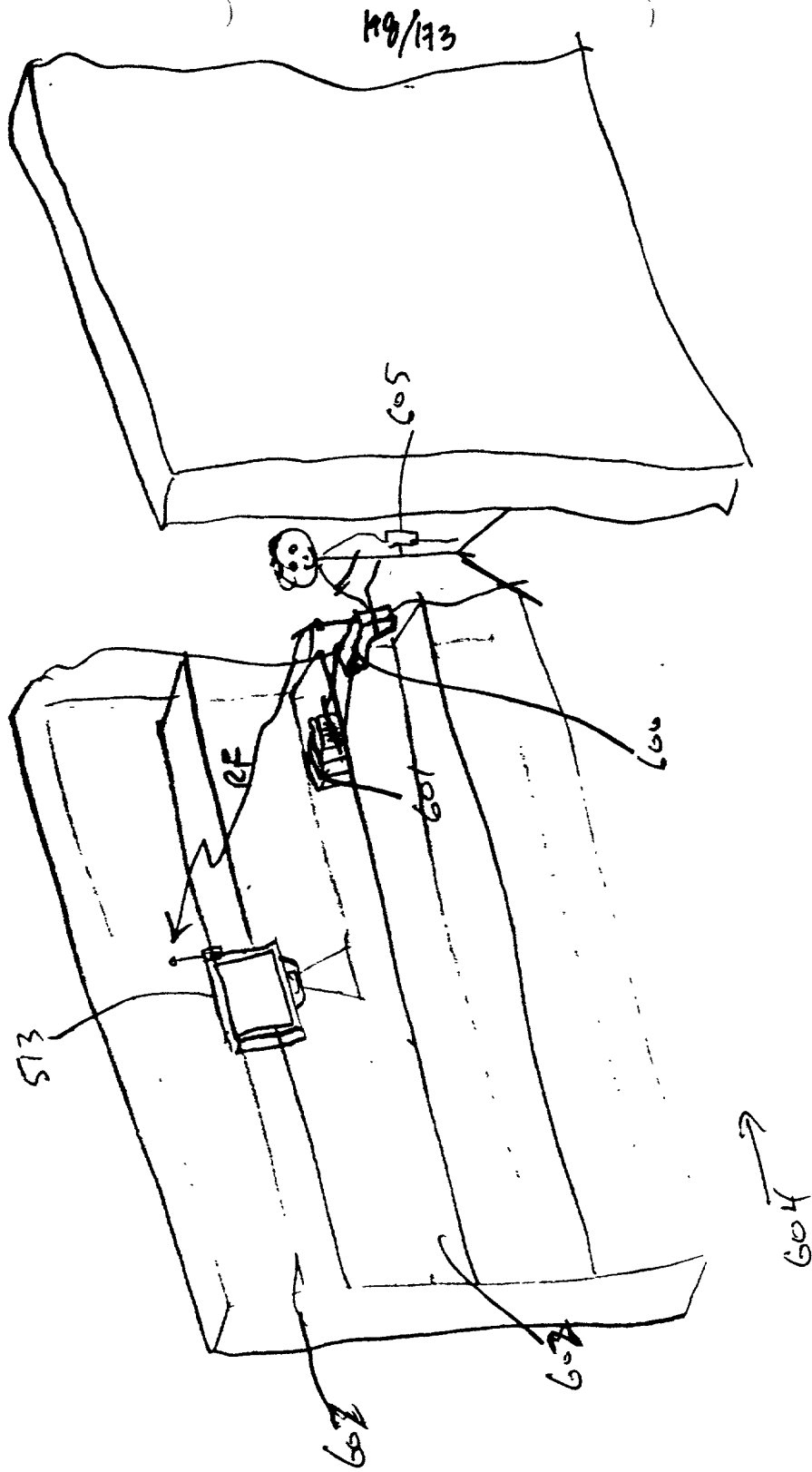


FIG. 23

1A9/123

Induce CPI Kiosk into its "Manufacturers Aisle/Shelf Rights/Privileges" Registration Mode

Read the UPC symbol on each product in the aisle/shelf in which the kiosk is installed so as to register the product and/or manufacturer thereof as having aisle/shelf rights/privs. with respect to displaying ads and/or promotions on the kiosk

FIG. 24A

Induce CPI Kiosk into its "Manufacturers Aisle/Shelf Rights/Privs." Registration mode

Enter into the kiosk (or system) the trademark carried by each consumer product in the aisle/shelf in which the kiosk is installed so as to register the product and/or mfg. thereof as having aisle/shelf rights/privs. with respect to displaying ads and/or promotions on the kiosk

FIG. 24B

DATA-PROCESSING METHOD CARRIED OUT ON CPI REQUESTS MADE BY CONSUMERS FROM PHYSICAL RETAILER-BASED CPI KIOSKS IN ACCORDANCE WITH THE PRINCIPLES OF THE PRESENT INVENTION

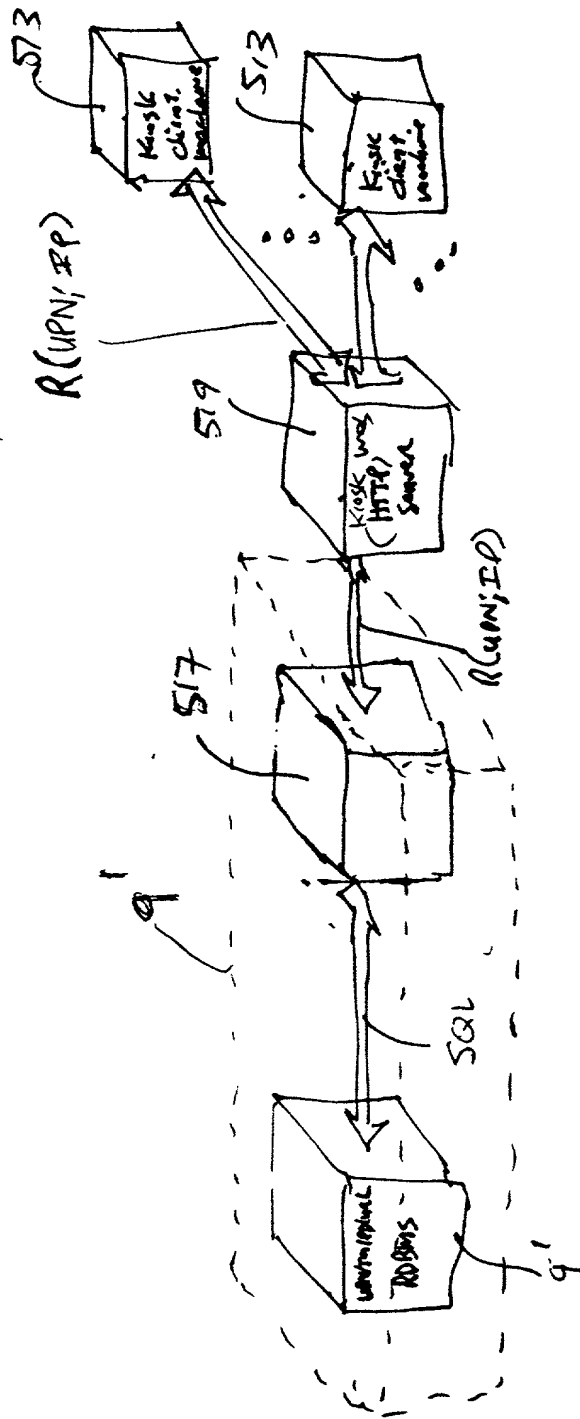


FIG. 25

151/173

DATA Filtering on CPI Requests
MADE FROM Physical KIOSKS Deployed in A Retailers Store

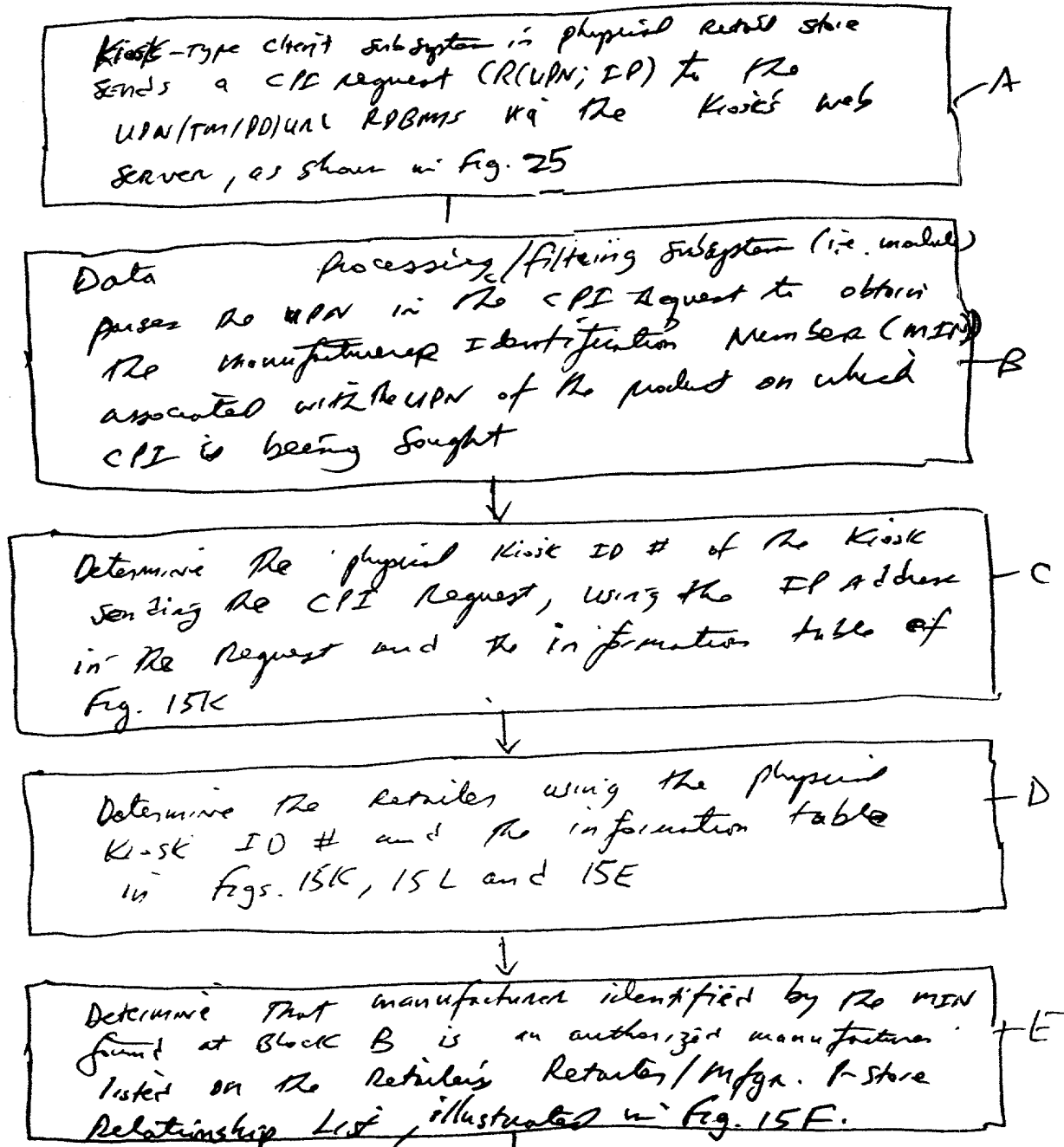


FIG. 26A (A)

(A)

- 152/173

F

If manufacturer identified by the obtained MTN
is on the Retailer/Mfgn. P-store Relationship
List, then transmit CPI Search Results
to the Kiosk-based client machine making the
CPI Request

G

If manufacturer identified by the obtained MTN
is not on the Retailer/Mfgn. P-store
Relationship List, then do not transmit
CPI Search Results to the Kiosk-based
client machine making the CPI Request

FIG. 26B

DATA-PROCESSING METHOD CARRIED OUT ON CPI REQUESTS MADE BY CONSUMERS FROM VIRTUAL-TYPE RETAILER-BASED CPI KIOSKS IN ACCORDANCE WITH THE PRINCIPLES OF THE PRESENT INVENTION

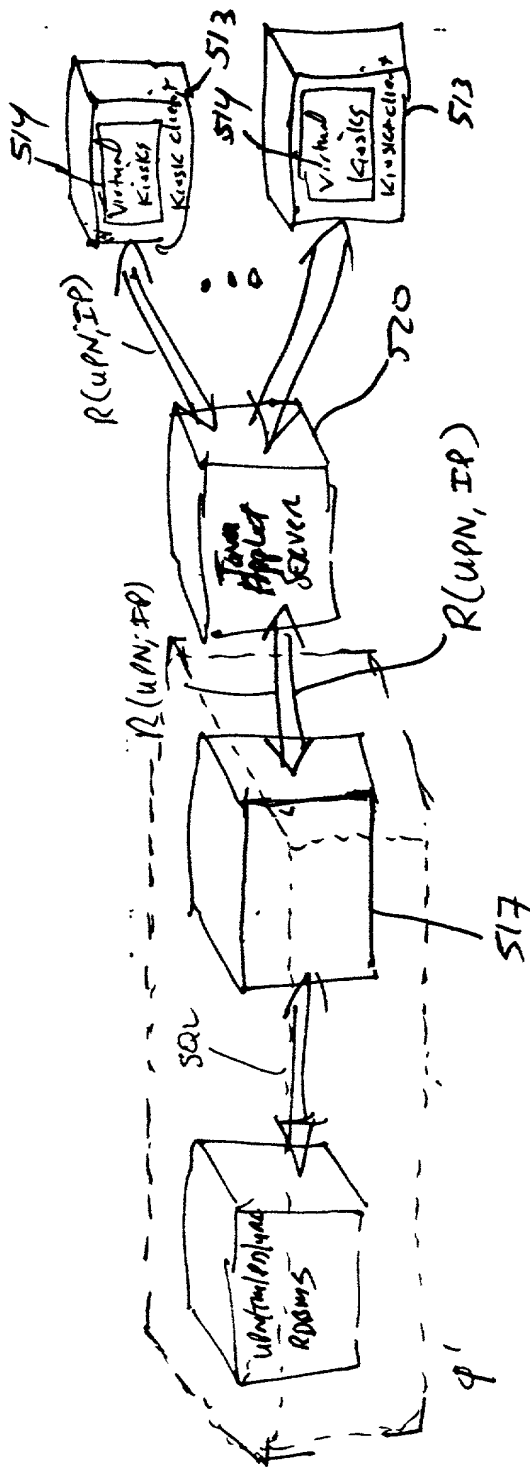


FIG. 27

154/193

Data Filtering on CPI
Requests Made From Virtual (Applet-enabled) Kiosks
Deployed at an E-tailer's WWW site or E-store

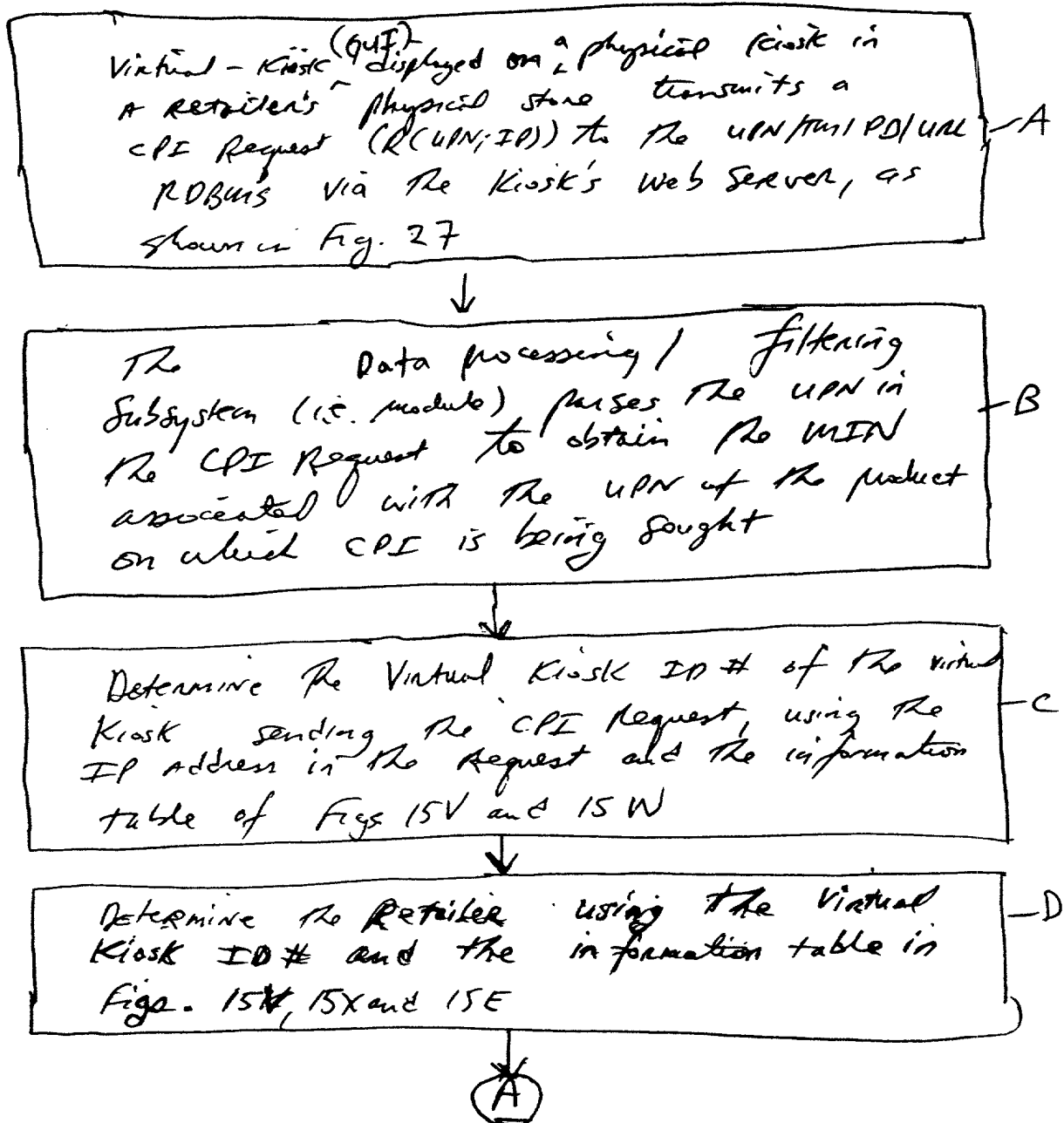


FIG 28A

(A)

- 155/173

Determine that manufacturer identified by the MIN found at Block B is an authorized manufacturer listed on the Retailer's Retailer/Mfg. P-store Relationship list illustrated in Fig. 15F

E

If the manufacturer identified by the obtained MIN is on the Retailer/Mfg. P-store Relationship list, then transmit CPI Search Results to the Kiosk-based client machine making the CPI Request

F

If the manufacturer identified by the obtained MIN is not on the Retailer/Mfg. P-store Relationship list, then do not transmit CPI Search Results to the Kiosk-based client machine making the CPI Request

G

FIG. 28B

156/173

**Modes of Information Service in the Consumer Product Advertisement
Marketing, Programming, Management and Delivery Subsystem (502)**

Advertisers

- Registration of Advertiser/Creation of Advertiser Account
- Log-in by Advertiser
- Display Kiosk Advertising Directory Identifying CPI Kiosks on Which the Advertiser is Authorized to Display Advertisements on Consumer Products
- Display Kiosk Advertising Directory Identifying CPI Kiosks on Which the Advertiser is Authorized to Display Advertisements on a Particular Brand or Brands of Consumer Product
- Register Kiosk Advertising Campaign to be Displayed on a retailer-Authorized Subnetwork of CPI Kiosks
- Build Kiosk Advertising Campaign by Placing Ad Spot Orders to Be Run on a Particular Subnetwork of CPI Kiosks
- Run and Display Kiosk Advertising Campaign on Retailer-Authorized Subnetwork of CPI Kiosks
- Modify Kiosk Advertising Campaign
- Monitor Performance of Kiosk Advertising Campaign

FIG. 29

157/173

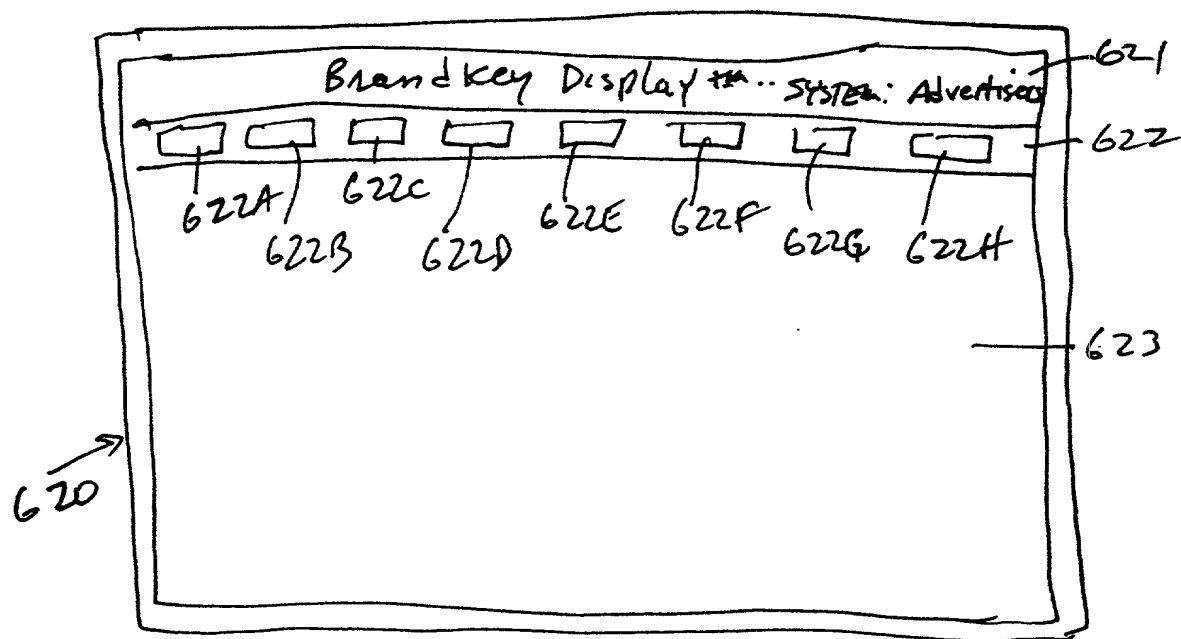
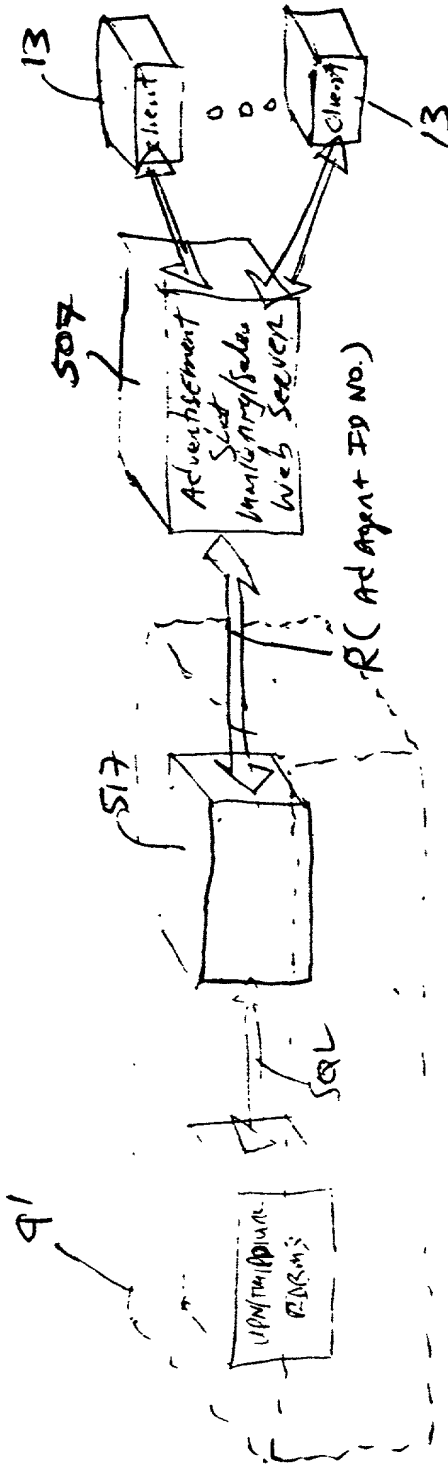


FIG. 30

150/193

DATA-PROCESSING METHOD APPLIED DURING THE GENERATION OF A
KIOSK
ADVERTISING DIRECTORY IDENTIFYING A DEPLOYED
NETWORK OF PHYSICAL AND VIRTUAL TYPES OF RETAILER-BASED CFI
KIOSKS ON WHICH PARTICULAR ADVERTISERS AND ADVERTISING AGENTS
ARE AUTHORIZED BY RETAILERS TO DISPLAY PRODUCT ADVERTISEMENTS,
IN ACCORDANCE WITH THE PRINCIPLES OF THE PRESENT INVENTION



AG. 31

159/173

**DATA PROCESSING METHOD FOR GENERATING A GENERAL KIOSK
ADVERTISING DIRECTORY WHICH INCLUDES ONLY (PHYSICAL AND
VIRTUAL) KIOSKS ON WHICH THE REGISTERED ADVERTISER IS
AUTHORIZED BY RETAILERS TO PLACE AD SPOT ORDERS FOR
EXECUTION AND DISPLAY**

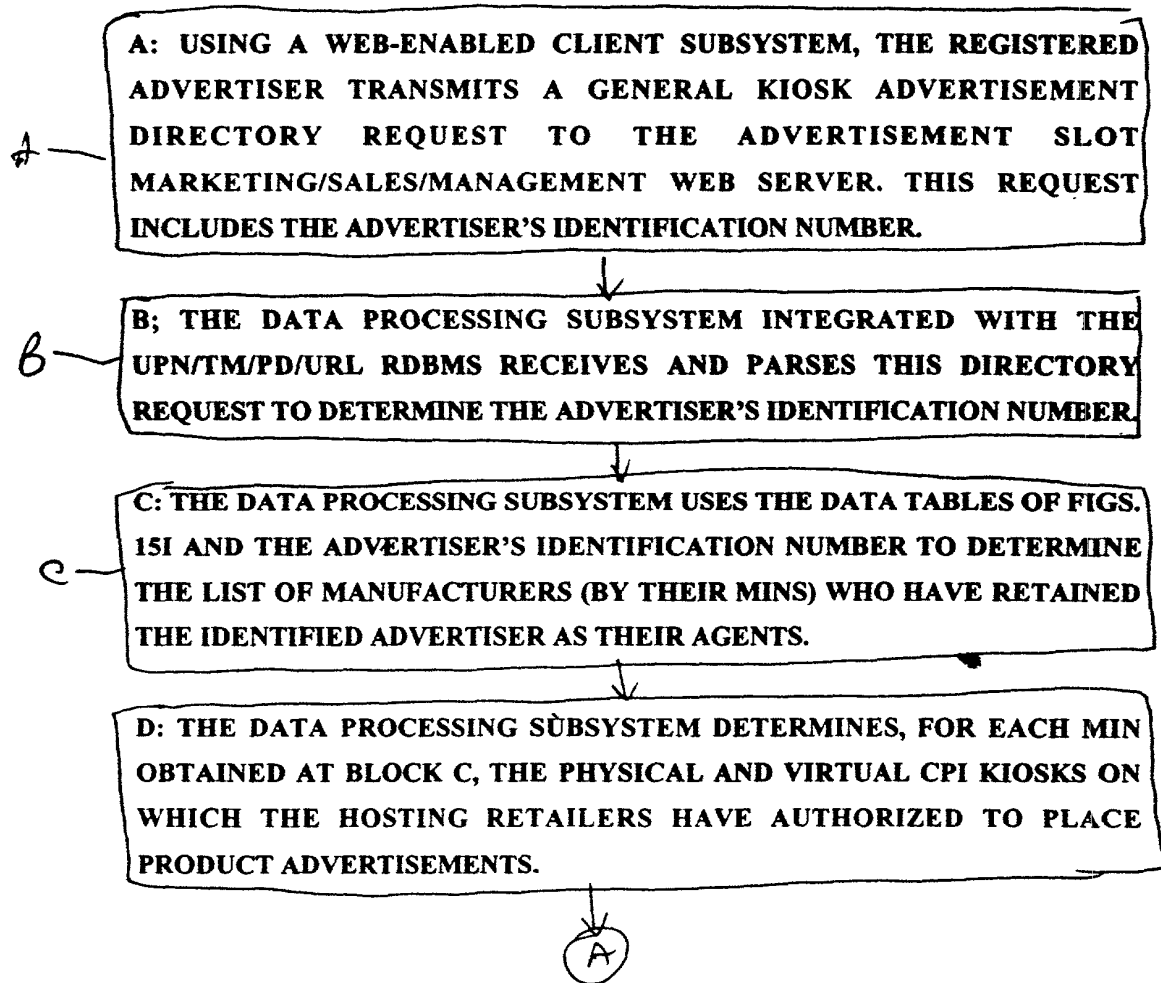


FIG. 32A

160/173



E: THE DATA PROCESSING SUBSYSTEM USES THE ASCERTAINED MINS AND MANUFACTURER AISLE/SHELF RIGHTS/PRIVILEGES RECORDED WITHIN THE UPN/TM/PD/URL RDBMS TO DETERMINE THOSE PHYSICAL AND VIRTUAL CPI KIOSKS ON WHICH THE ADVERTISER MAY ORDER ADVERTISEMENTS ABOUT PRODUCTS OF MANUFACTURERS WHO HAVE BEEN GRANTED SUCH RIGHTS/PRIVILEGES. THIS LIST OF PHYSICAL AND VIRTUAL CPI KIOSKS IS THEN COMPILED TO PRODUCE THE GENERALIZED KIOSK ADVERTISEMENT DIRECTORY FOR TRANSMISSION TO THE REQUESTING ADVERTISER.

FIG. 32B

DATA-PROCESSING METHOD APPLIED DURING THE GENERATION OF
 A KIOSK ADVERTISING DIRECTORY IDENTIFYING A DEPLOYED
 NETWORK OF PHYSICAL AND VIRTUAL TYPES OF RETAILER-BASED CH
 KIOSKS ON WHICH A PARTICULAR ADVERTISER OR ADVERTISING AGENT IS
 AUTHORIZED BY KIOSK-HOSTING RETAILERS TO DISPLAY PRODUCT
 ADVERTISEMENTS REGARDING A PARTICULAR BRAND OF UPN-INDEXED
 CONSUMER PRODUCT IN ACCORDANCE WITH THE PRINCIPLES OF THE
 PRESENT INVENTION

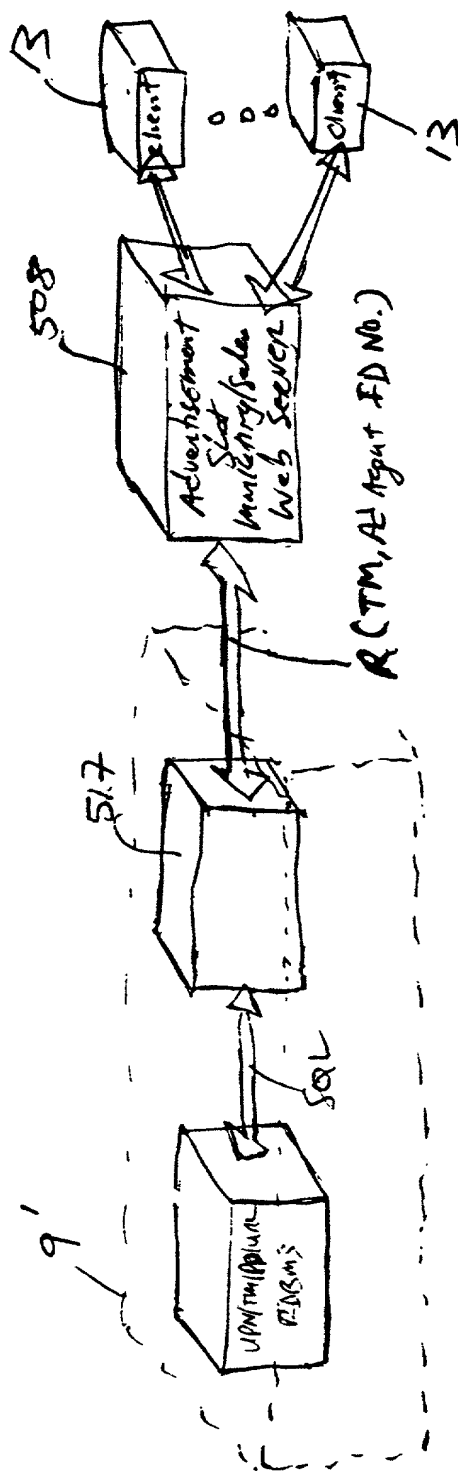


FIG. 33

162/173

**DATA PROCESSING METHOD FOR GENERATING FOR
GENERATING A BRAND KIOSK ADVERTISING DIRECTORY WHICH
INCLUDES ONLY (PHYSICAL AND VIRTUAL) KIOSKS ON WHICH
THE REGISTERED ADVERTISER IS AUTHORIZED BY RETAILERS
TO PLACE AD SPOT ORDERS FOR EXECUTION AND DISPLAY.**

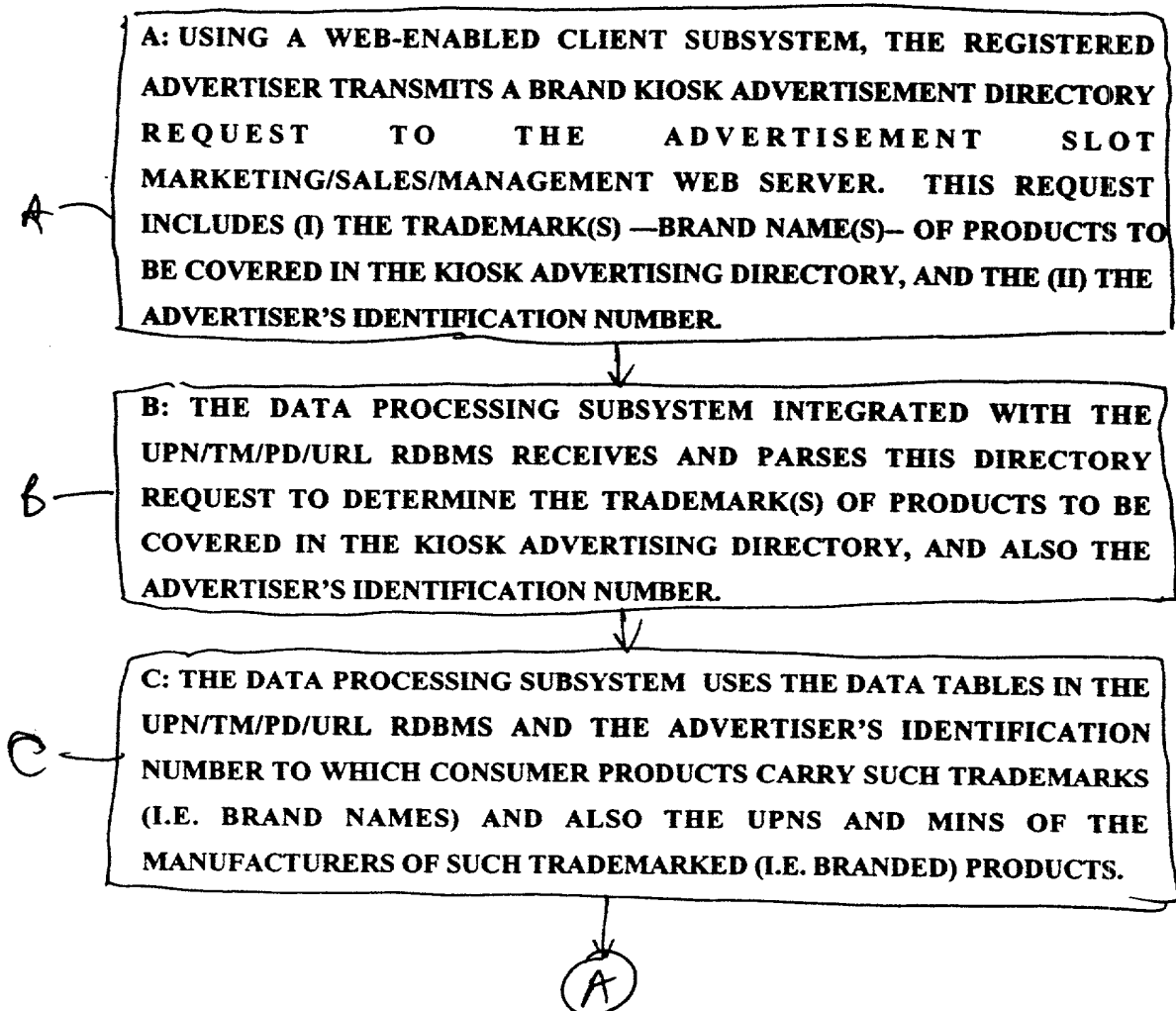


FIG. 34A

163/173

A



D

D: THE DATA PROCESSING SUBSYSTEM USES THE MINS DETERMINED AT BLOCK C TO DETERMINE THE LIST OF PHYSICAL AND VIRTUAL CPI KIOSKS IN WHICH MANUFACTURERS IDENTIFIED BY SAID MINS HAVING AISLE/SHELF RIGHTS/PRIVILEGES TO DISPLAY PRODUCT ADVERTISEMENTS.



E

E: THE DATA PROCESSING SUBSYSTEM USES THE LIST OF CPI KIOSKS ASCERTAINED AT BLOCK D TO COMPILE THE GENERALIZED KIOSK ADVERTISEMENT DIRECTORY FOR TRANSMISSION TO THE REQUESTING ADVERTISER.

FIG. 34B

164/173

**Modes of Information Service in the Consumer Product Promotion Marketing.
Programming, Management and Delivery Subsystem (503)**

Promoters

- Registration of Promoter/Creation of Promotion Account
- Log-in by Promoter
- Display Kiosk Promotional Directory Identifying CPI Kiosks on Which the Promoter is Authorized to Display Promotion on consumer Products
- Display Kiosks on Which the Promoter is Authorized to Display promotions on a Particular Brand or Brands of Consumer Products
- Register Kiosk Promotion Campaign to be Displayed on a Retailer-Authorized Subnetwork of CPI Kiosks
- Run and Display-Kiosk Promotion Campaign on Retailer-Authorized Subnetwork of CPI Kiosk Subnetwork
- Modify Instituted Kiosk Promotion Campaign
- Monitor Kiosk Promotion Campaign

FIG. 35

165/173

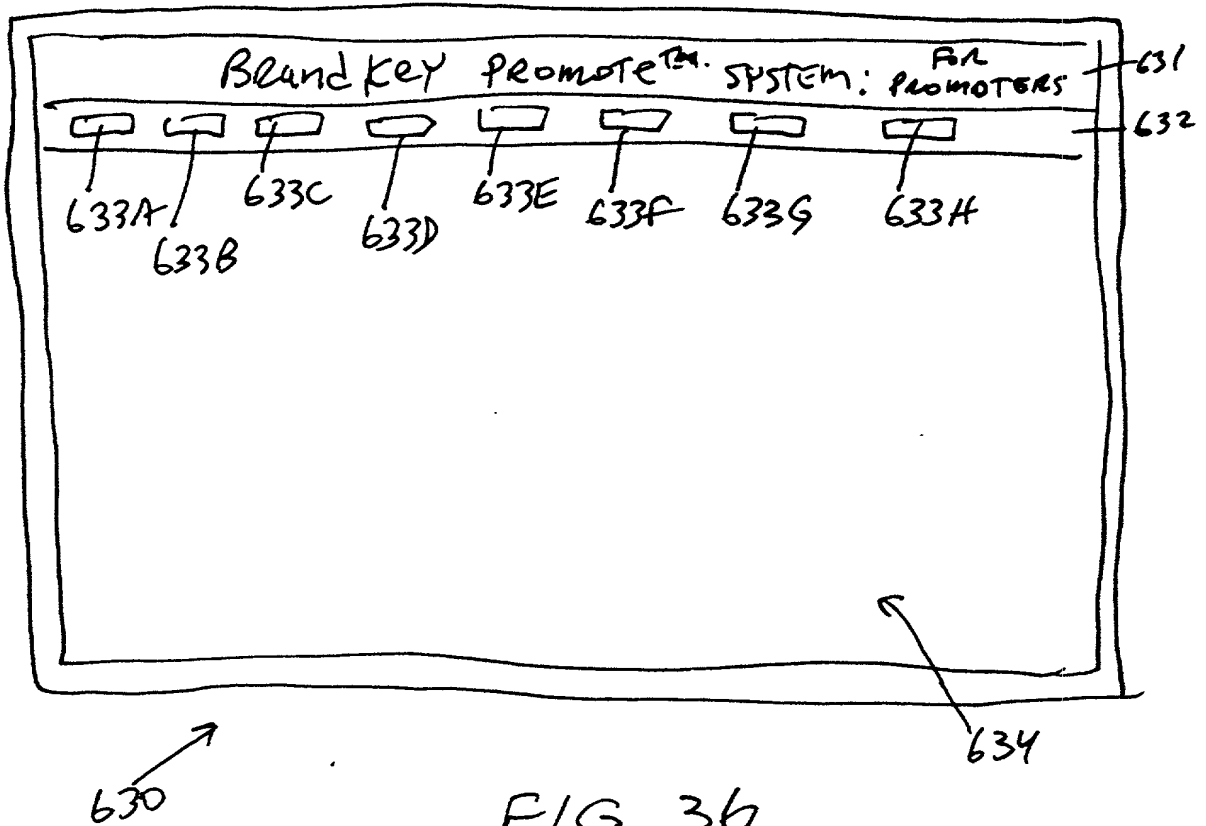
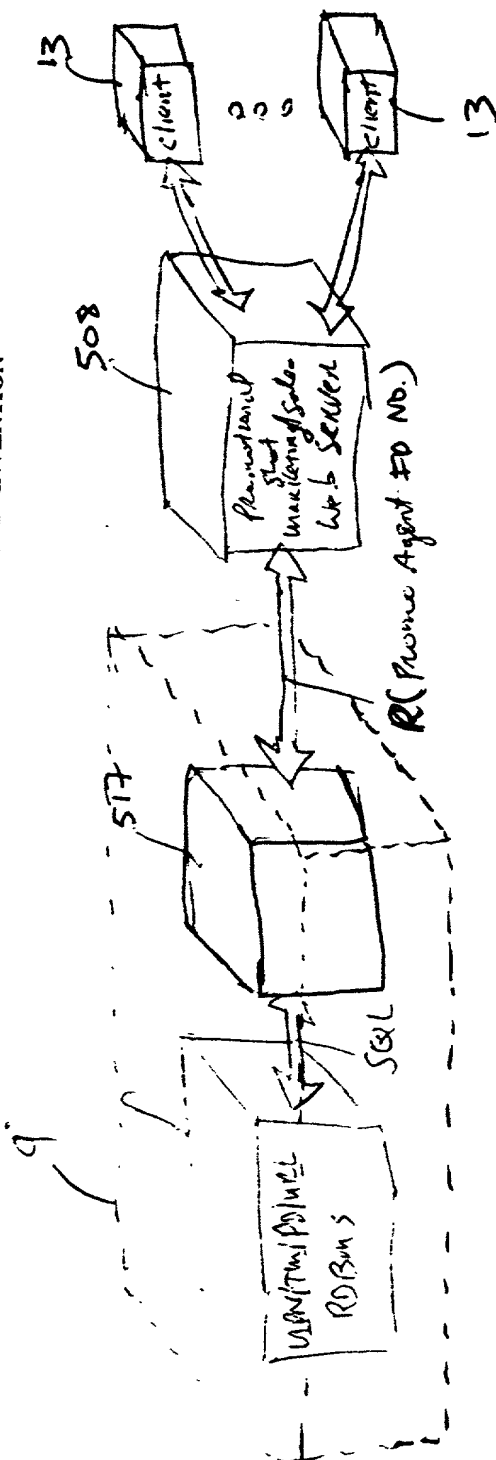


FIG. 36

DATA-PROCESSING METHOD APPLIED DURING THE GENERATION OF A PROMOTION DIRECTORY IDENTIFYING A DEPLOYED NETWORK OF PHYSICAL AND VIRTUAL TYPES OF RETAILER-BASED CFI KIOSKS ON WHICH PARTICULAR PROMOTERS AND PROMOTIONAL AGENTS ARE AUTHORIZED BY RETAILERS TO DISPLAY PRODUCT PROMOTIONS IN ACCORDANCE WITH THE PRINCIPLES OF THE PRESENT INVENTION



167/173

**DATA PROCESSING METHOD FOR GENERATING A GENERAL KIOSK
PROMOTION DIRECTORY WHICH INCLUDES ONLY (PHYSICAL AND
VIRTUAL) KIOSKS ON WHICH THE REGISTERED PROMOTER IS
AUTHORIZED BY RETAILERS TO PLACE PROMO SPOT ORDERS FOR
EXECUTION AND DISPLAY**

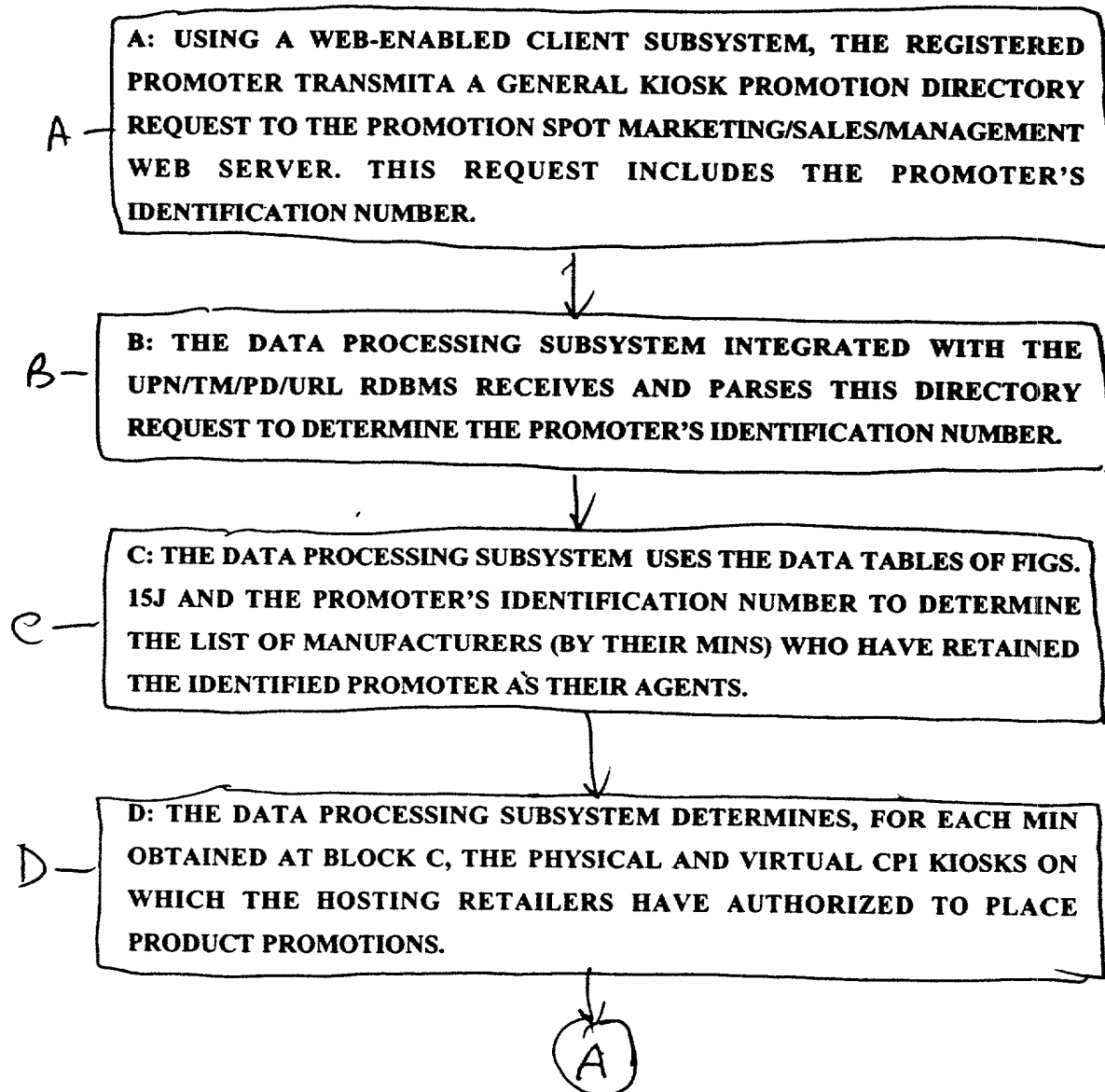


FIG. 38A

168/173

A



E: THE DATA PROCESSING SUBSYSTEM USES THE ASCERTAINED MINS AND MANUFACTURER AISLE/SHELF RIGHTS/PRIVILEGES RECORDED WITHIN THE UPN/TM/PD/URL RDBMS 9' TO DETERMINE THOSE PHYSICAL AND VIRTUAL CPI KIOSKS ON WHICH THE PROMOTER MAY PLACE PROMOTIONS ABOUT PRODUCTS OF MANUFACTURERS WHO HAVE BEEN GRANTED SUCH RIGHTS/PRIVILEGES. THIS LIST OF PHYSICAL AND VIRTUAL CPI KIOSKS IS THEN COMPILED TO PRODUCE THE GENERALIZED KIOSK PROMOTION DIRECTORY FOR TRANSMISSION TO THE REQUESTING ADVERTISER.

FIG. 38B

DATA-PROCESSING METHOD APPLIED DURING THE GENERATION OF A KIOSK PROMOTION DIRECTORY IDENTIFYING A DEPLOYED NETWORK OF PHYSICAL AND VIRTUAL TYPES OF RETAILER-BASED KIOSKS ON WHICH A PARTICULAR PROMOTER OR PROMOTIONAL AGENT IS AUTHORIZED BY KIOSK-HOSTING RETAILERS TO DISPLAY PRODUCT PROMOTIONS REGARDING A PARTICULAR BRAND OF UPN-INDEXED CONSUMER PRODUCT IN ACCORDANCE WITH THE PRINCIPLES OF THE PRESENT INVENTION

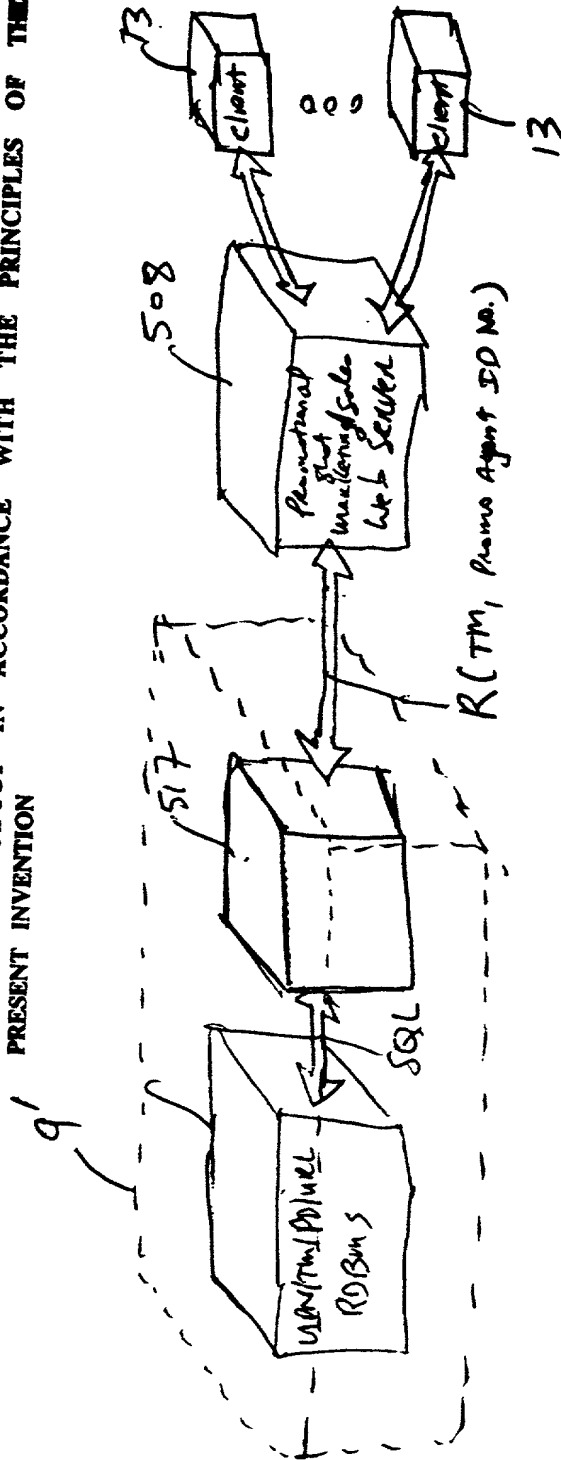


FIG. 39

170/173

**DATA PROCESSING METHOD FOR GENERATING A BRAND KIOSK
PROMOTION DIRECTORY WHICH INCLUDES ONLY (PHYSICAL AND
VIRTUAL) KIOSKS ON WHICH THE REGISTERED PROMOTER IS
AUTHORIZED BY RETAILERS TO PLACE PROMOTION SPOT ORDERS FOR
EXECUTION AND DISPLAY**

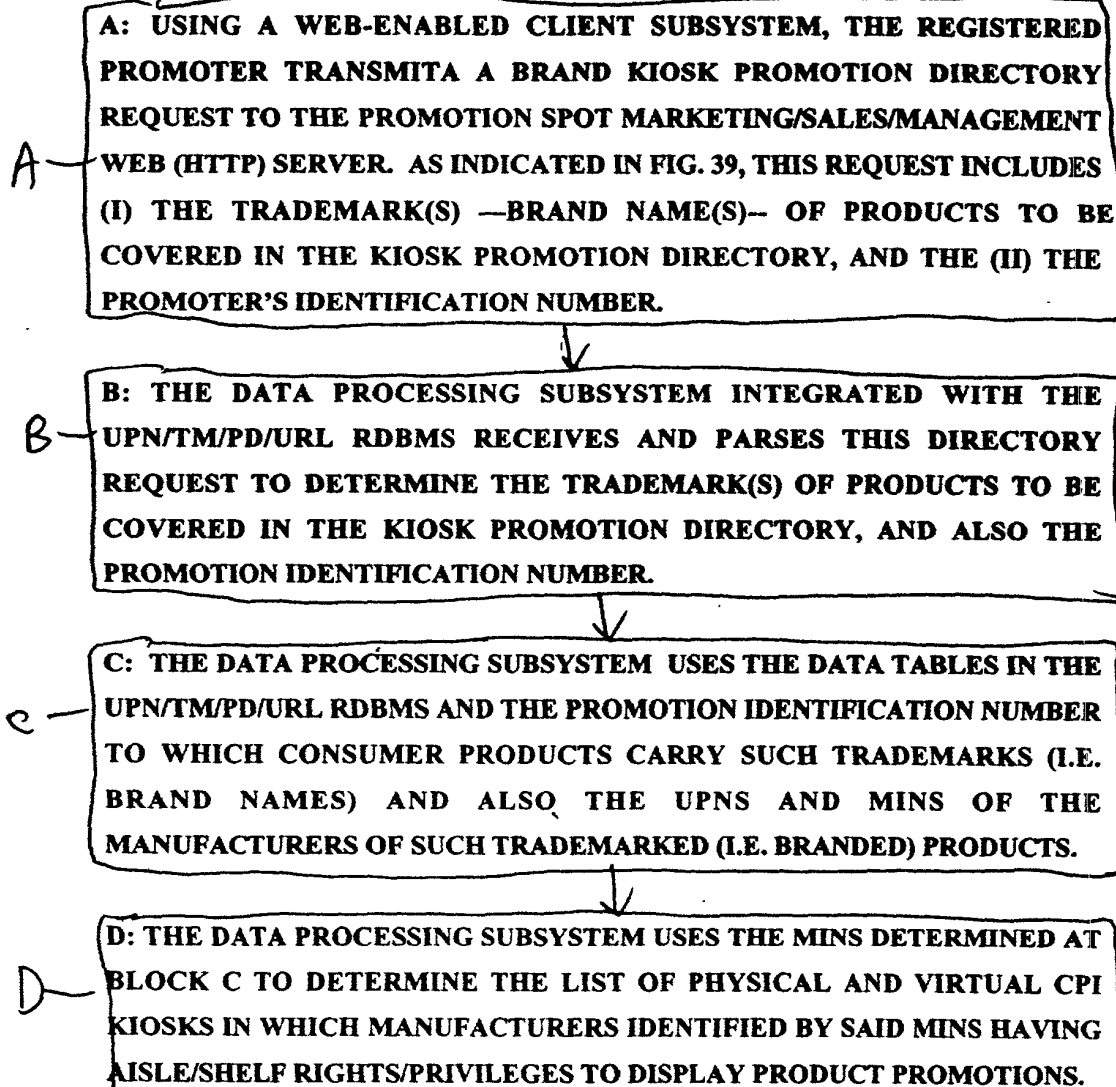


FIG. 40A

171/173

(A)

E: THE DATA PROCESSING SUBSYSTEM USES THE LIST OF PHYSICAL AND VIRTUAL CPI KIOSKS ASCERTAINED AT BLOCK D TO COMPILE THE GENERALIZED KIOSK PROMOTION DIRECTORY FOR TRANSMISSION TO THE REQUESTING PROMOTER.

FIG. 40B

physical multi-mode (CPI) kiosk

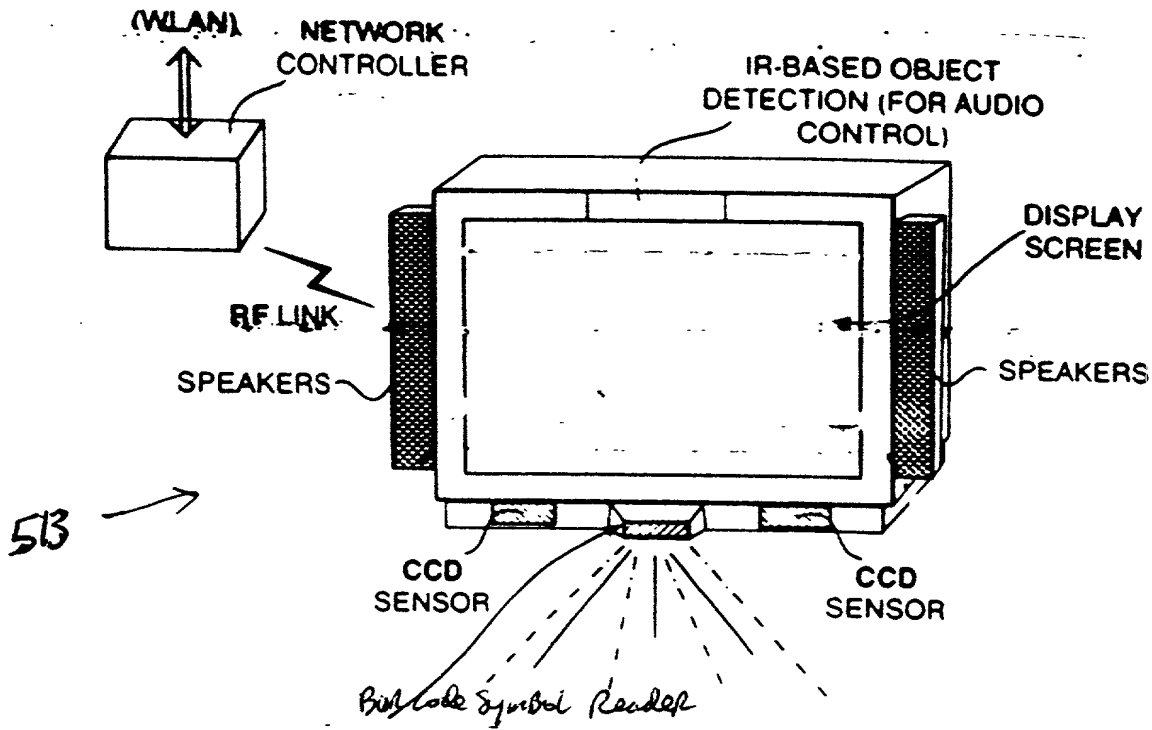


FIG. 41

172/173

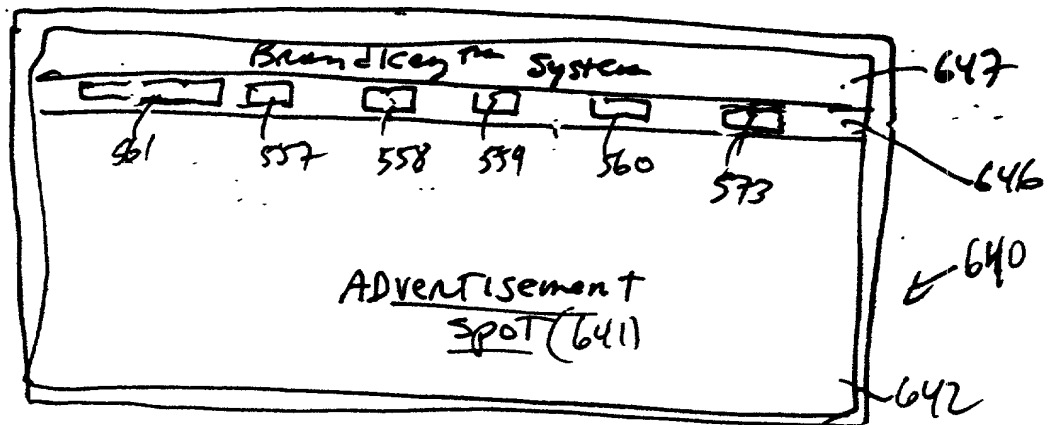


FIG. 42A

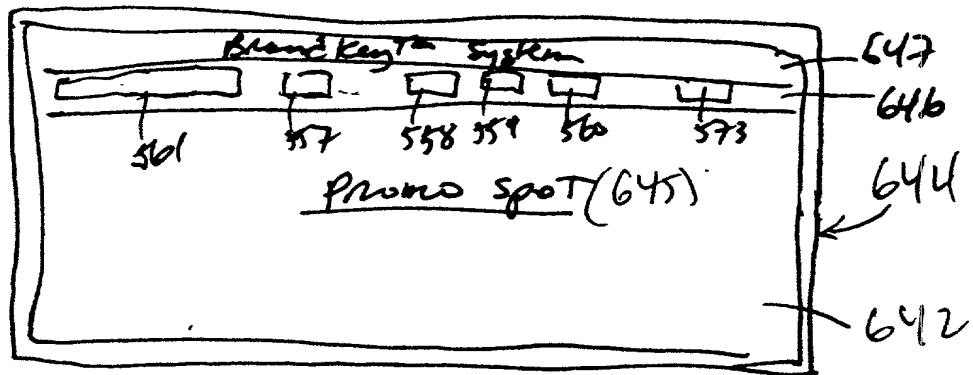


FIG. 42B

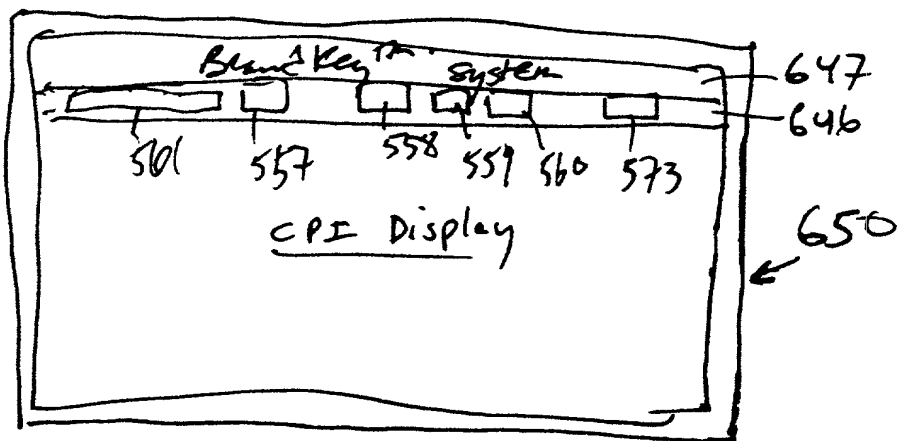


FIG. 42C

The BrandKey™ System Architecture (2')

BrandKey Create™, BrandKey Display™, BrandKey Promote™ and BrandKey Request™ Subsystems (505, 502, 503, 504)

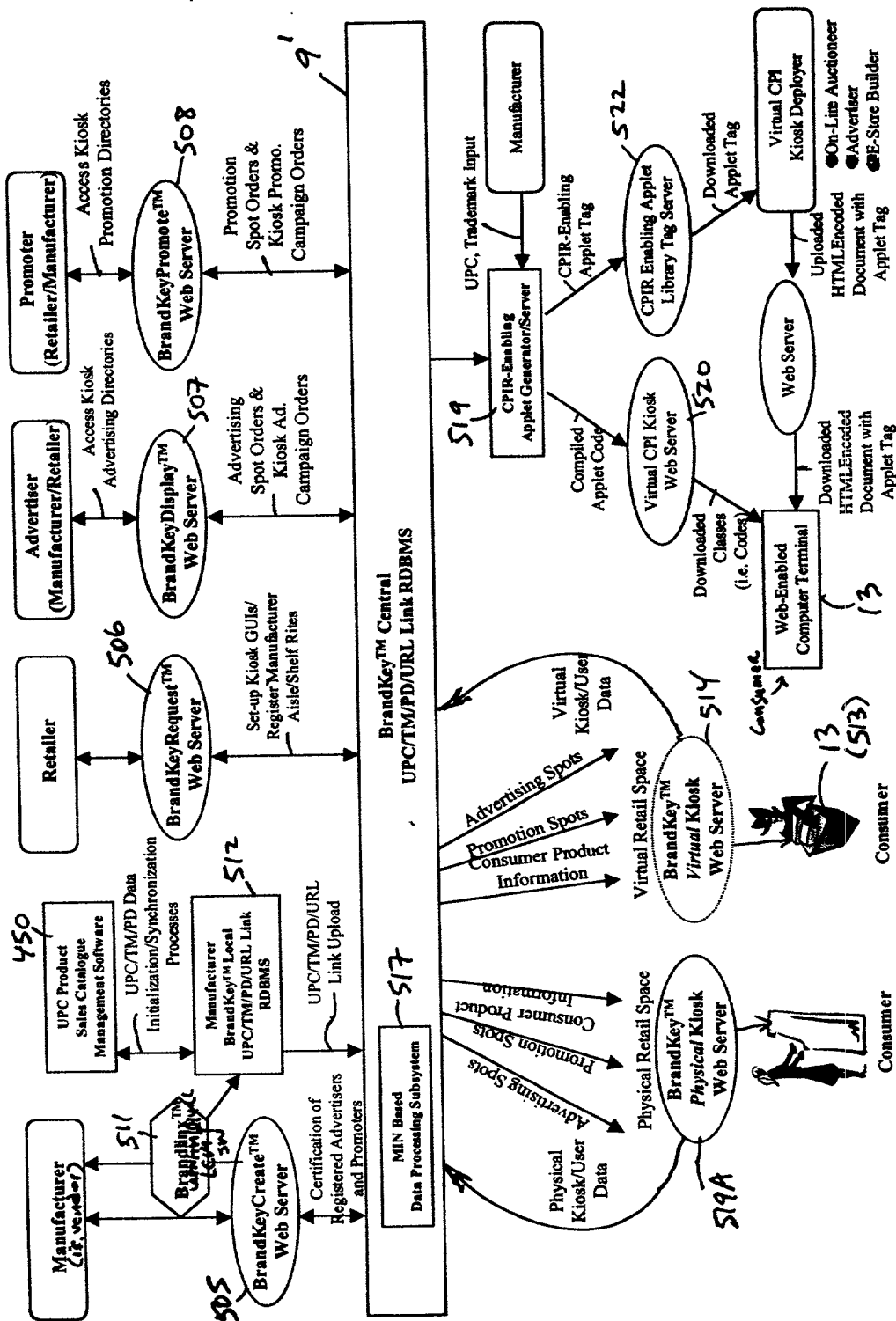


FIG. 43